

Manufacturer Record

Exponent of America



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The President on Income Tax Reduction.

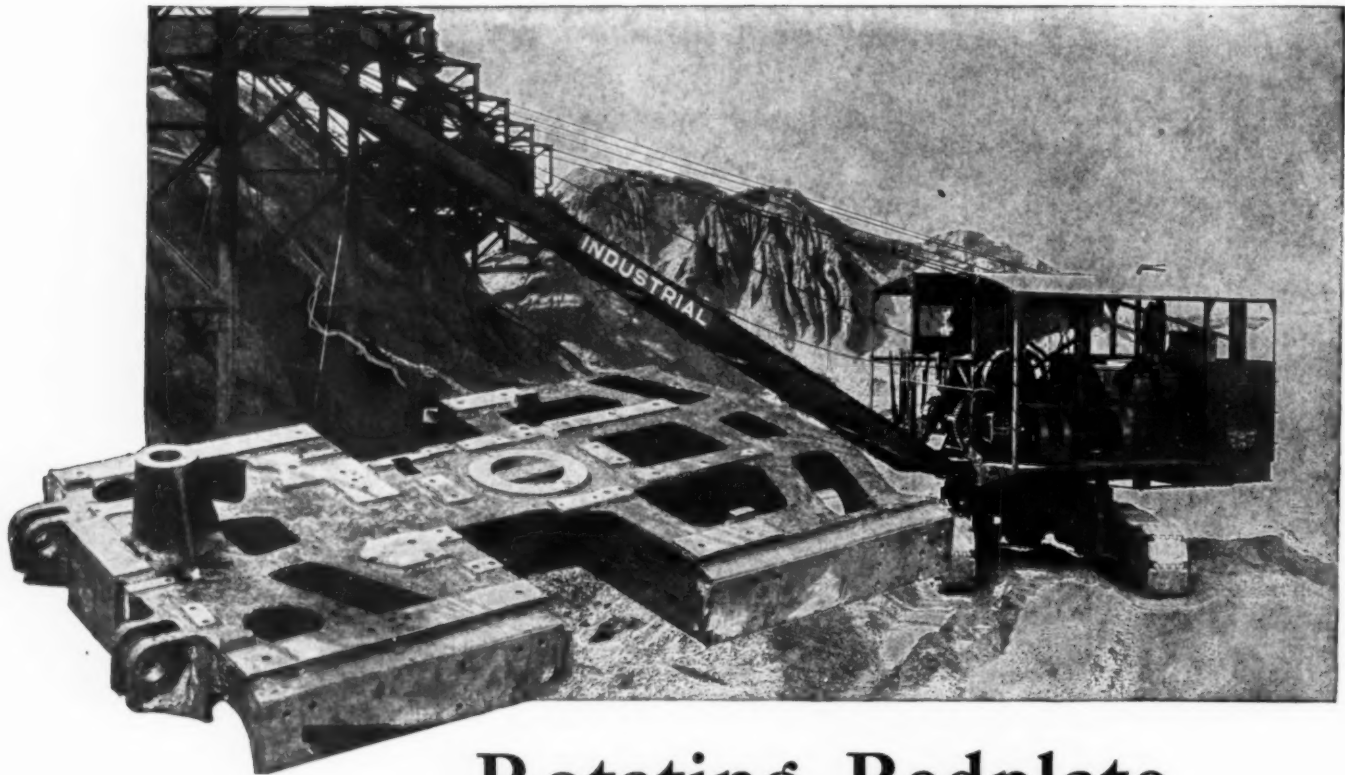
The announcement is made from Washington, apparently on official authority, that President Coolidge is opposed to any further reduction of income taxation for several years to come, taking the ground that any excess of income over expenditures should be applied to the more rapid reduction of our bonded indebtedness.

In this we think President Coolidge is absolutely in the wrong. We believe it would be far better for the payment of the bonded indebtedness of the country to be stretched over a much longer period than has been intended, in order to lessen the burden upon the taxpayers of the present generation. No well-managed business corporation would undertake to amortize a big bonded indebtedness as rapidly as the Government is amortizing or paying off our national indebtedness. Far better would it be for the good of the country if all surplus national income should be used to reduce the income taxation, which hampers business and restricts the amount of money available by business interests for expansion. The rapid growth of this country in population and business brings about such a vast increase in our wealth that the bonded indebtedness of today would seem almost small 20 or 30 years hence measured by the wealth of the country at that time.

This bonded indebtedness was incurred not merely for the safety of the country of the present generation, but for all generations to come. There is absolutely no sound reason why future generations should not bear some of the cost of saving this country from ruination by German domination and damnation. Far better would it be for the progress and prosperity of the whole country to make no more rapid reduction of the debt than we have been doing during the last few years, and then apply to the lessening of income taxation every available dollar of surplus income.

Income taxation is a heavy burden upon business interests. It halts enterprise. It lessens business activities, and in that way the cost to the Government itself is far greater than any advantage which might be gained by President Coolidge's proposed method of using surplus income for lessening our bonded indebtedness.

We believe that the voice of the business people of the country should be long and loud in opposition to Mr. Coolidge's views on this point, and that business organizations of all kinds should press upon the President and Congress the necessity of reducing income taxation just as rapidly as possible, even if in bringing this about we do not reduce our bonded indebtedness as rapidly as Mr. Coolidge desires.



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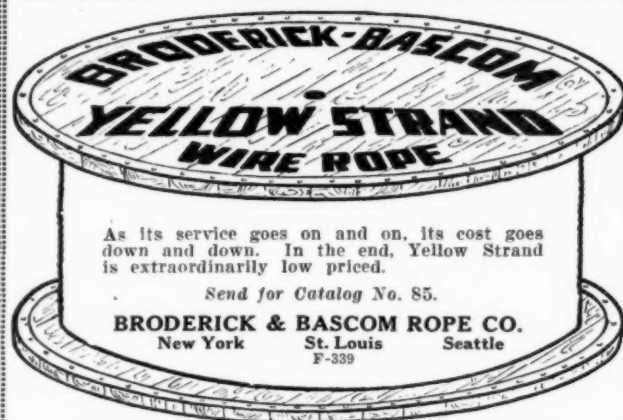
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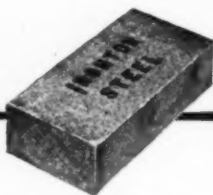
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Manufacturers Record

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Can Great Britain, Economically Handicapped, Compete With America?

GREAT BRITAIN spends more money on drink by £10,000,000 sterling than the interest on its national debt.

Its drink bill is annually nearly £15,000,000 more than the total amount expended since Armistice Day to February, 1926, for the out-of-work and unemployment doles or grants.

Its drink bill exceeds by £112,000,000 the gross annual receipts of its railroads.

It spent in 1925 £315,000,000 for drink, £80,000,000 for bread and £76,000,000 for milk.

These figures and many others of equal interest have been compiled by George B. Wilson, political and literary secretary of the United Kingdom Alliance. A statistical table which has been sent to the MANUFACTURERS RECORD by Mr. Wilson presents the following rather startling comparisons:

	Pounds sterling	Pounds sterling
Drink bill, 1925.....		315,000,000
Annual charge for social services (see Report on National Health Insurance (Cmd. 2596 of 1926).....		
Public education	86,600,000	
Unemployment	50,000,000	
Poor Law relief	46,000,000	
National health insurance.....	34,000,000	
Old age pensions (non-contributory).....	27,000,000	
Widows' and orphans' and old-age contributory pensions	26,000,000	
Housing of working classes.....	16,500,000	
Workingmen's compensation	12,000,000	
Public health acts.....	9,600,000	
	307,700,000	
Interest on national debt.....	305,000,000	
Total out-of-work and unemployment grants from Armistice to February, 1926.....	300,901,241	
Gross railway receipts (1924).....	203,400,000	
Rates collected (1924-5).....	160,000,000	
Bread	80,000,000	
Milk	76,000,000	
Voluntary hospitals (1923).....	8,243,000	
Membership income of registered trades unions in Great Britain (1924)	8,223,000	

Here it is shown that the drink bill is more than three and a half times greater than the amount expended on public education, and that it exceeds by £7,300,000 the total expenditure for public education, for unemployment, for poor-law relief, for national insurance, for old-age pensions and a long list of other things. It is an amazing illustration of the tremendous power of the liquor interests in Great Britain that can still hold that country in a thrall of such enormous expenditures for liquor.

Lord Leverhulme, who prior to his death was regarded as possibly the greatest and the richest business man in England, after studying the Prohibition situation in America, wrote the MANUFACTURERS RECORD that if Great Britain would follow America's example and adopt Prohibition the saving to that country in five years would be sufficient

to pay England's indebtedness to the United States. In the light of these figures, it looks as though Lord Leverhulme was well within bounds.

A careful investigation and survey was made of the Metropolitan Borough of Bermondsey, an essentially industrial area of London, "where wages are low, housing conditions not cheerful and the general color of life is drab." Of the population of this borough, 120,000, or nearly one-third, are boys and girls under 15. On June 1, 1925, 15,905 persons, of whom 10,000 were adults, were in receipt of relief under the poor law.

In 1925, there were 236 license holders who officially reported their receipts for alcoholic liquors to be £1,335,000, or, allowing for the midday consumption of day workers from other areas, £10 per man, woman and child, or £17 sterling per adult of 20 and upward, including abstainers and the recipients of the poor relief.

Discussing this situation, Mr. Wilson writes:

"The following comparisons, taken from official sources, prepared by Dr. Salter, M. P. for Bermondsey, and long resident in the borough of which he has been mayor, may be of interest:

	Pounds sterling	Pounds sterling
Total takings of licensed premises.....		1,335,000
Domestic rents (with rates).....	742,000	
Retail cost of bread.....	230,000	
Retail cost of milk.....	182,000	
		1,154,000
Ratable value of borough (1924-5).....	1,017,369	
Net debt outstanding (1926).....	479,000	
Outdoor relief (1924-5).....	234,009	
Ratable value of licensed premises (1924-5), or 3.6 per cent of total rateable value.....	37,175	

"It is estimated that about 86 per cent of the public-house takings are in respect of beer, representing a consumption of at least 5,500,000 gallons, or over 40 gallons per resident (as against 24 gallons for England and Wales), or 73 gallons per adult.

"Each licensed house takes on the average £5000 from the local population, and as there is one drink shop to every 120 families, each family carries an annual burden of £42, or 16 shillings a week. The self-imposed taxation paid as beer duty in this borough is not less than £400,000 annually.

"The drink trade in Bermondsey is not a co-operative institution; it returns no dividends to its customers or their children, and the brewery shareholders who heavily tax the limited domestic resources of this district do not live there, but in the West End and other more attractive surroundings. Some of them are titled personages ranking high in society, and the great majority are men and women of social importance. Are they aware that in such districts as Bermondsey, and other industrial areas of this country, their dividends are drawn from the vital necessities of the very poorest at

the expense of the health and happiness of the community, and particularly of its children? Is it with their sanction that strenuous demands are being made by their business representatives for the extension of the hours of evening sale of intoxicants until 11 P. M. on week-days and 10 P. M. on Sundays in Bermondsey and other London boroughs in opposition to the wishes of the magistrates and of the great majority of religious and social workers in these areas?"

These figures show that the amount expended for rents, for the retail cost of bread and of milk was £181,000 sterling less than the amount expended for liquors, and the annual expenditure in this borough of £1,335,000 for liquors through the licensed saloons exceeds by £328,000 the total ratable value of the entire borough.

In the light of these figures it is not surprising that the slums of London are noted as among the worst in the world. If viewed purely as an economic problem, here is a striking illustration of the tremendous economic loss to a community which annually spends for liquor more than the total ratable value of all the property in the community.

Commenting on this report the Westminster Gazette says:

"The figures issued by the United Kingdom Alliance in their annual statement lose nothing of their dramatic interest, though they vary but slightly from year to year. From time to time those who have the welfare of their fellow-men at heart are gravely informed by those who say they have no other object that destitution is rampant. A familiar theme from the Labor benches in Parliament, it is equally well known when such patent devices as Nationalization require advertisement. But these figures of the United Kingdom Alliance tell quite another story. The average family expenditure of non-abstaining families on drink last year was at least 35 pounds sterling. A great many explanations of such a figure could be found, but not one will explain away its incompatibility with the idea of destitution. It is not difficult to see what an immense difference the expenditure of this sum upon food and clothing would make to poor families. Indeed, it is seldom that wage disputes revolve about the demand of increases of this order. Generally, an addition of even a third of this amount is represented as meaning a considerable change in the welfare of a poor household.

"No doubt Labor propagandists would attempt to find an escape from the difficulty which these figures raise by the suggestion that the bulk of this expenditure is due to the idle rich. Unhappily, this contention will not bear a moment's examination. Dr. Salter's figures for Bermondsey are illuminating. When the total takings of licensed premises for the borough are found to be more than the amount spent on domestic rents and rates, bread and milk, we see at once that in the drink bill of poor people is a factor which must bear very heavily on their standard of life. The sum spent upon drink in this borough is, indeed, sufficient to account for widespread destitution. Invested in a building society, say, it would enable the bulk of the non-abstainers to own their houses in early middle life. However it is examined, it is a portent of tremendous significance."

MR. FORD NOT A COMPETENT WITNESS.

HENRY FORD, in a recent issue of his Dearborn Independent, takes a strong rap at the offer made by the Southern power companies for Muscle Shoals.

Mr. Ford, however, is not in a position to give to the country any information of any value whatever in regard to who should or who should not have control of Muscle Shoals. He endeavored to get control of it for a period of 100 years, although that would be directly contrary to the law of the land. He not only wanted Congress to break the law which had been established after years of effort, but when asked by committees of the Senate and the House to appear before them to discuss his proposition he declined to do so, thus deliberately slapping the Senate and the House in the face and, through them, the nation.

Mr. Ford is a great financier and a great manufacturer, but he is no greater than this country, and his refusal to explain his bid to members of the House and Senate when officially invited to do so should eliminate him from any further discussion one way or another as to Muscle Shoals.

PRESIDENT COOLIDGE ON WAR "LOANS."

ENCOURAGING, even though faint, indication that President Coolidge is beginning to discern the true and actual nature of the money advances which the United States made to the Allies before the Armistice, while they were fighting in our defense, is discerned in his Memorial Day address at Arlington National Cemetery. In the course of his reference to these "loans," he said:

"We did not make these loans as a banking enterprise. We made them, to a very large extent, as an incident to the prosecution of the war."

This remark is a faint, but significant, echo of the assertions made by leaders in Congress, Republicans and Democrats alike, at the time legislation for the "loans" was enacted—that these moneys were simply the American substitute for American lives in a defensive war until the United States should be able to put soldiers in the field, which was not until 15 months after we entered the life-and-death struggle.

Perchance this utterance from the President will stiffen the backbone of such statesmen as at heart believe these "loans" should be cancelled, but, in mistaken belief that the American people are modern Shylocks, decline to take that stand in selfish fear of political consequences.

REMARKABLE INDUSTRIAL PROGRESS OF CHATTANOOGA.

CHARLES W. HOWARD, manager of the Industrial Board of the Chamber of Commerce of Chattanooga, in a letter to the MANUFACTURERS RECORD gives some remarkable figures in regard to the industrial progress since 1902 of that community as follows:

1902.		1925.	
Manufacturing plants	97	Manufacturing plants	384
Capital invested.....	\$9,997,000	Capital invested.....	\$138,000,000
Annual value of product.....	\$13,350,000	Annual value of product.....	\$160,526,000
Saloons.....	92	Saloons.....	None
Savings deposits.....	\$2,565,000	January 1, 1926, savings deposits.....	\$19,485,000

Mr. Howard writes:

"In view of the different reasons why the Volstead bill should not only stand but obedience to it be forced, this statement of Chattanooga's growth is a new one.

"The effect on the depositor in increased efficiency and self-respect is equal to another \$19,485,000 or better."

Whatever may have been the cause of this remarkable growth of Chattanooga, the figures certainly are of striking interest. From 97 manufacturing plants in 1902 to 384 in 1925, from a capital of \$9,997,000 in 1902 to \$138,000,000 in 1925 is well calculated to make the people of Chattanooga rejoice and be happy, but even these figures are not more suggestive than the increase in savings deposits, now largely more than seven times as great as in 1902. In that year Chattanooga had 92 saloons; today it has none.

MANY GOOD—SOME BAD.

THE Asheville (N. C.) Citizen expresses astonishment at seeing a publication like the MANUFACTURERS RECORD attack, "by implication if not directly, the attitude of newspapers regarding religion."

The Citizen is absolutely incorrect and unjustified in the position it takes. The MANUFACTURERS RECORD rejoices that there are many papers in the South and elsewhere that do fully appreciate the importance of religion; but, on the other hand, it knows, through its very wide acquaintanceship with newspapers throughout the land, that there are many newspapers that apparently have little regard or respect for religion, as voiced by their news articles, their headlines and sometimes their editorial pages.

If the Citizen had stopped for a moment to consider the situation, we are quite sure it would not have made the criticism which it did of this paper.

Socialistic Pensions of Government Employees.

FURTHER evidence of the dangerous penetration of socialism into the very vitals of American democracy is to be seen in a questionnaire, "How to Solve the Problem of Old-Age Dependency," circulated by the Old Age Pension Commission of Pennsylvania, a copy of which has been sent to us by a leading business house of that state. This particular brand of socialism—almost indiscriminate pensioning—is most conspicuous in such propositions in the National Capital, but hardly a state or even city in the land now is free from it.

This Pennsylvania proposition is for old-age pensions; in Washington are movements for Government clerk pensions, mothers' pensions, and so on. And in no better way can the absolute unfairness and injustice of such pensions be emphasized than in quoting a news article in the Washington Post of May 5 under the caption "More Autos Here Than in Baltimore, Survey Discloses."

According to this news item, the population of Baltimore is 790,600 and of Washington is 498,000, yet Washington has 83,831 automobiles and Baltimore only 81,400. And of the 83,831 cars in Washington, 78.3 per cent were pleasure cars. Naturally, and as is known of all men, a very large percentage of the Washington population is composed of Government employes, two or three or four members of one family frequently drawing Government pay. Truly, these "underpaid, downtrodden, self-sacrificing" Government employes should have pensions—maintaining an automobile in these days costs real money, and how are they to save for old age when they have so many cars to support? You who read this and the members of your family should rejoice and be glad at the privilege of supporting these supporters of pleasure cars.

Without discussing the long introduction which prefaces the queries in the Pennsylvania questionnaire, one may plunge into the seven interrogations, several of which also are introduced with long statements of alleged facts. Take, for instance, No. 1:

"Over 30 countries abroad, including practically all industrial nations of the world, have solved their old-age dependency problem by providing systems of insurance or pensions to the aged men and women who, in qualifying for this, must have attained a certain age and have complied with certain citizenship and other regulations. Do you believe that our solution of this problem lies also in similar state action, as has been the case with workmen's compensation and mothers' pensions?"

The query is based on a false assumption: No such "problem" exists. The substitution of the word "dependency" for the word poverty also is deceptive. Outside the comparatively few shameless begging groups in the land, such as national, state and municipal government employes, every man and most women are supposed to save in their working years sufficient to carry them through the twilight of life. The butcher, the baker, the candlestick maker, the bank clerk, the stenographer, the salesgirl, the actor, the lawyer, the physician, the day laborer, the merchant, the printer—the members of 10,000 professions, trades, crafts and pursuits—all must save against that day when they can work no more.

Why should Government employes or any other persons be exempted from this universal duty?

Why should conscientious, hard workers be compelled to support in old age Government employes or any other persons who have been too selfish or extravagant or negligent to provide for their own welfare in after life.

In some cases, of course, there may be justifiable "dependency"; of necessity, there must be. But most such dependents have relatives on whom they have a moral and legitimate claim for help, and comfortable institutions of many

kinds are provided for such as have not—institutions of high class, in which the aged may pass their last days in unclouded self-respect.

Finally, the provision for after years is made easier through varieties of annuities or insurance policies through which one may save safely and profitably.

"No" must be the answer to this question—a resounding "No" from probably 90 per cent of the people of the land, the remainder being members of the begging groups which whine for such alms.

Question No. 2:

"If not, will you please state your suggestions as to how else the problem could be met?"

Until it is established that there actually is a "problem" one hardly need waste time answering hypothetical conundrums.

Propaganda in favor of this socialistic policy may be seen also in the third question, which reads:

"If the state is to take action, are you in favor of a non-contributory pension plan such as had been in force until recently in Great Britain and is in operation in practically all other English-speaking countries, as well as in several states in our own country, i. e., a plan where all funds come from the various means of taxation and pensions are granted to those coming under certain definite classifications. Our studies in this state have shown that for the money spent now on every dependent aged in our almshouses, three persons could be supported on a pension with a maximum of \$1 per day in their own homes."

This is an argument, rather than a question. It is characteristic of the unfairness of the advocates of this Socialist policy.

But, in brief reply, it may be said that the statement that three persons could be supported on the pension system for what one person now costs in an almshouse is theoretical. Of course, as national, state, county or municipal institutions, almshouses in general may be regarded as extravagantly mismanaged—in very many, no doubt, the inmates could be supported in greater comfort at less cost. But the pension management would be still more costly and extravagant, as being even more subject to politics. Theoretically, the cost to the taxpayer would be less under the pension system; nationwide experience indicates emphatically that the cost actually would be much greater. In a thousand and one ways such beautiful theories develop into costly actualities for the people.

Without repeating the pro-pension propaganda with which the fourth question is embellished, it may be given as follows:

"Do you prefer the contributory system wherein contributions are made by the state, employers and employes, or by the latter two groups only, which go to a special fund for that purpose?"

Another deliberate and outrageous deception. In this it is indicated that the employes themselves will be contributing to such a fund. It will not be these employes alone; it will be their wives and their children who will contribute in proportionate measure. And these helpless women and children are actually at the mercy of selfish organized labor dictators, who may at any moment order an unprovoked strike, and in driving the workers from their positions will subject these workers to loss of pension and other service emoluments.

The proposition that "the state"—that is, every man, woman and child in any political unit—should "contribute" to these pensions is outrageous beyond dispassionate argument.

"If you are opposed to a compulsory plan of the above character, would you favor a similar plan on a voluntary basis?" asks query No. 5.

Any such "voluntary" movement must be based entirely on

the wishes of the persons individually concerned. No one else has any right to force a "voluntary" movement on any group on this subject.

"Would you prefer a system modeled along the lines of the present State Workmen's Compensation law?" reads the sixth question.

Even ignoring the fact that all answers and arguments must of necessity be based on a false premise, it may be said that the Workmen's Compensation law is in no way whatever related to the proposed old-age pension in Pennsylvania or elsewhere.

Finally, "Any other suggestions that you may have will be appreciated and given careful consideration by our commission," says the seventh item in the questionnaire.

We suggest that this and other commissions abandon the unfair and unjust notion of support, law-exemption, discrimination or any other privilege for any class of the citizenry whatever. Group after group, class after class, bloc after bloc have obtained, and are obtaining, money or other valuable consideration at the expense of the people at large. Such support, exemption, discrimination or other privilege is disguised in appealing fashion, but the blood-sucker is there just the same, concealed by the cloak of charity or humanity or some such garment which it has pilfered for its own selfish use.

Especially nauseating is the plea of Government employees—national, state or municipal—that they are justly entitled to pensions. No worker in the world, in general, has an easier life than a Government employe, especially in the National Government. In that, indeed, his life is joy itself—less than eight hours of work a day, 30 days' vacation with pay with 30 days' sick leave, to say nothing of the hours he plays "hookey." One is reminded of a story told the writer by a general in the United States Army holding a very responsible bureau position in the War Department. A sightseeing bus, as this general related it, was passing the State, War and Navy Building.

"There," cried the conductor, "is the great War Department."

"How many work there?" asked a passenger.

"Oh, about half of them," was the answer.

Another story, this of a city official in a great city: A defalcation involving over \$80,000 had been discovered in this official's office and the writer, as then a newspaper reporter, called on him for his side of the story. He found the official blubbering like a baby.

"Just think," he wailed to the reporter, "here I've served the city for 14 years and now this has happened."

"Well, confound your nerve," retorted the disgusted scribe, "you've held a soft political job for 14 years and you didn't have the efficiency or sense to keep it."

The Government employe, Federal, state or municipal, is not the self-sacrificing soul he pictures himself; he or she usually has pulled wires to get a soft job, knowing beforehand the pay and the conditions of work. He or she, in 99 cases out of 100 in these days, is protected in that job by the civil service—a policy, by the way, which operates to keep worthless workers in offices, rather than to assure the appointment and retention of good workers. They are not self-sacrificing workers for the public weal.

The Government employe is morally and economically obligated to save for the future, just as is the private employe.

If private employes or Government employes, on their own volition and initiative, wish to build up funds for pensions in their own individual circles, that is up to them. But the people—deceptively described as "the State" or "the Government"—must not be bled for the support of extravagant, careless groups who will not save for their own future.

BUSINESS PAPERS, THEIR OPPORTUNITY AND THEIR RESPONSIBILITY.

THE MANUFACTURERS RECORD regrets to note that the Associated Business Papers, Inc., have decided to offer three prizes for editorial achievement during the year beginning June 1, 1926. The first prize is an award of \$500 to the writer of an ABP publication for the best editorial or article of an editorial nature, to be judged for clearness of style, sound reasoning and power to influence, and the other prizes are to be for other phases of newspaper work.

Without desiring to criticize our fellow-members in that organization, the MANUFACTURERS RECORD does not believe that this policy will be helpful to the business papers of the country, nor is it in favor of any prizes for newspaper work of any kind. The newspaper man must be absolutely independent in the expression of his opinion if he is to do his full duty to his readers. If he is working in the hope of winning a prize, either for the money involved or the supposed honor, his thought and his work will to some extent be shaped by this situation. He ought, however, to be absolutely free from any such embarrassment. No thought of any special honor or any prize to be awarded should influence him in the slightest in what he may write.

Business papers have a great and grave responsibility resting upon them. They can to a large extent be made the leaders in shaping the thought of the business world and helping to guide the activities of the daily papers. The business paper must discuss business questions with a broader knowledge of the situation that it is possible for the editors of nearly all daily papers to have. The daily paper work must be done under a rush and to a large extent by men who are expected to write on any and every subject that comes before them. The business paper, on the contrary, must do its work without the haste and the hurry of a daily paper. It must have men trained to thoroughly investigate every question which it attempts to discuss, and then to handle it without regard to advertisers or subscribers, or to the views that may have been expressed by the daily papers.

There is a plane which the business papers should reach far and away beyond that which as a whole they have yet approached. Their views on great questions pertaining to the economic welfare of the country or the particular industry that they may represent should be accepted as freely as the statements on the iron market made by the Iron Trade Review or the Iron Age. What they say as to the price of iron or steel is accepted in court and elsewhere as final. It is not possible for an editorial opinion to be accepted by everybody in the same way, but every editorial opinion in a business paper should be as carefully thought out and the truth as eagerly searched for as the market reporter searches for truth as to the prices of pig-iron or steel or other products.

The awarding of prizes for the work which ought to be done by business papers, in our opinion, belittles the papers themselves, their editors and the work to which they should be consecrated. It is the province of business papers to discuss not only the economic side of every question relating to business, but to discuss the great moral issues that pertain to business and to life generally. It is their privilege and their responsibility to discuss the relation between employers and employes, between sellers and buyers, and to uphold the Golden Rule in business that the time may be hastened when a discreditable or dishonorable act on the part of a business man, employer or employe, will be regarded everywhere as a distinct violation of honor and honesty. But let no business papers or their writers have hanging before them the thought that they may win this prize or that prize, this honor or that honor; only in the absence of such a thought can they be free from any ulterior motive in whatever they may write.

How Britain Was Saved and the Strike Was Killed.

MORE than one conclusion of tremendous import, not only to Great Britain but also to the United States, may be found in appraising retrospection of the institution and collapse of the general strike in Britain. Notwithstanding indications of weakening on the part of the Government, the collapse of the strike may be accepted as surrender by organized labor to the people, as a whole, of the nation. Two or three outstanding conclusions may thus be summarized:

A majority, helpless when not organized, becomes irresistible when organized to fight minority organization.

Backbone in a responsible Government alone can save the State; weak compromise with evil must inevitably bring destruction in the end.

In time of industrial labor peace the unorganized people must prepare for industrial labor war.

As Sir Robert Hadfield expressed it in answer to a request from the British press for a comment on the great strike:

"Surely, the after-effects of the great strike must, in the long run, be highly beneficial to our country. Labor has tried its costly experiment, for which, unfortunately, we all have to pay, and has seen that the methods adopted proved a complete failure because they were wrong in principle, both theoretically and practically.

"The only way to obtain amelioration in social conditions is through proper Constitutional action, which all wise trade unions, trade congresses and the workers themselves must surely now have in their mind's eye. If so, then it is to be sincerely hoped that they will not dabble any more with communism, sovietism and red flagism, of all of which the nation is heartily sick and tired to death. Those for whom the Union Jack is not good enough, under which flag this country has for generations prospered so greatly, let them go elsewhere.

"For example, let them try Russia, where, according to the latest reports of the People's Commissar for Transports, to speak of one public utility only, their transport services are nearly worn out. All over Russia there are to be found 'cemeteries' of ruined wagons, 'cemeteries' of locomotives, rust-covered and useless, and 'cemeteries' of boats and barges rotting at their moorings. Such is the result of nationalism run riot.

"Finally with peace assured to us here, there is no reason why our Empire should not rapidly progress toward a great area of prosperity, which actions of unconstitutional nature will never bring about."

Under the heading "A Retrospect of the Great Strike—Triumph of Citizenship—Nation's Calm Confidence" the London Daily Telegraph publishes a narrative almost like a diary, which comes to us from Sir Robert Hadfield. Among the various indications that the strike was "a revolutionary movement," the Daily Telegraph cites the crippling of the national press, and says:

"But the order for which few were prepared, and which gave a special character to the strike, was the inclusion in its scope of 'the printing trades, including the press.' To the student of modern revolutionary movements this was full of significance. The stoppage of the press is laid down as vital in all the revolutionary handbooks, in which its effect in shattering the morale of the public, and allowing of the unchecked circulation of alarmist rumors, is insisted upon. In the few words directing the printing trades to strike is the sufficient answer to the constantly reiterated absurdity that this was no attack upon the nation, but an ordinary industrial dispute."

In short, the Daily Telegraph expresses a belief, widespread throughout the world, that the strike was a revolutionary movement—an open rebellion—fomented fundamentally by the Socialist, Communist and Red agitators of the world, with the object of overturning a Government regarded as probably the most conservative and stable in all the world. British organized labor may deny this allegation with all the vociferousness for which organized labor is notorious in all lands;

but facts speak for themselves, and the hamstringing of the public press is a concrete proof which cannot be successfully controverted.

But in the sad experience of its unpreparedness a year before, when it had been obliged abjectly to surrender to organized labor and to subsidize the coal-mining industry, the Government had prepared for this general strike and met the issue sternly. A Royal Proclamation of a State of Emergency was issued in a special edition of the London Gazette, and thus was taken the "first step in that great task of protecting the community from collapse and chaos which was imposed on the Government by the (labor) General Council's challenge."

Impatient, however, to get into revolutionary action, the organized-labor printers did not wait for the "zero hour," but, on the excuse that an editorial in the Daily Mail was objectionable to the rebels, refused to get out the regular issue of that paper. One result: "It was on the reception of this news in Downing Street that the Government laid down, as a condition of the continuance of negotiations in the coal-industry dispute, the immediate and unconditional withdrawal of the instructions for a general strike." And from that moment the fight was on.

On Monday morning, says the Daily Telegraph, "there began on the instant that extraordinary demonstration of the quality of British citizenship that has amazed the world: there was no whisper of panic; there was no emotional outbreak of any kind." The plans of the Government were put into practice, transportation was assured, camps and depots were established and recruiting offices for volunteer workers were open—and, "everywhere besieged." Yet, on the second day, although milk was delivered, only 849 trains were run on the railways, docks were closed, factories were deserted and "the paralysis of business, the gigantic process of waste and loss contemplated by the strike were well under way." The enforced suppression of the newspapers was somewhat counteracted by the Government through the radio, by which a tremendous percentage of the people were kept informed of developments and conditions.

On the second day of the strike "the country's confidence was already established"—in effect, the nation had won. And this confidence was needed, for on that day "an ugly spirit of disorder showed its head." In London, Edinburgh and Glasgow and other cities there were conflicts between the police and labor mobs, and in Glasgow there was much looting of shops. Evidently, organized labor pursued in Great Britain its customary rioting, destruction and intimidation, which, of course, it invariably denies. But this violence was suppressed without the employment of troops—one of the greatest triumphs of the Government and the people that can be recorded.

Scattered rioting continued on the third day, but also it became known that "thousands of railwaymen had remained at work, and that many men in other trades had disregarded the strike order"—in other words, the usual percentage of sane, sound, patriotic workers declined to be swept off their feet by the orders and commands of violent, self-seeking—almost treasonable—labor "leaders," who, as in all lands, hold their soft jobs merely through continuous agitation of contented and prosperous active workers. And so, on the third day, the labor order went forth that the railwaymen "must handle no traffic of any kind, foodstuffs or otherwise"—a great nation was to be starved into submission for the glorification of a group of communistic labor "leaders" and their organized, misguided dupes.

"Whereat, Sir John Simon arose in the House of Commons and asserted that the general strike, in so far as it involve

the breaking of contracts of engagement, was illegal and involved every man breaking his contract, and every leader inciting him to do so, in liability for damages, and so on. The speech carried consternation to the insurrectionists and "a blow was struck at the leadership of the general strike from which it never rallied." Can it be that the organized-labor leaders and the strikers recalled the "Danbury hatters case" in the United States, in which the participants in a similar destructive strike were mulcted in heavy damages and were compelled to pay actual money to their victims?

The fourth and fifth days showed that "the strain upon trade-union discipline was already proving unbearable, and the drift back to work had begun." As the Daily Telegraph says, "The rest of the duration of the general strike was a story of rapid collapse. The nation had won and knew it had won"—and so did the insurrectionists.

The lesson to the people had been great; to organized labor it should prove conclusively impressive. Says the Daily Telegraph:

"At the foot of the chapter of the general strike was written, by the hand of organized labor itself, the moral, 'Never Again!' It was the end of an old, old song that has been droned in the ears of British labor by hotheads and sedition-mongers for many a year; and the last lugubrious notes of it were drowned by the fifes and drums of the Grenadier Guards marching away up the East India Dock road."

This experience of Great Britain should be an object-lesson to the United States—to a Congress and a Government too often prone to surrender to a vociferous, intimidating, oppressive organized-labor minority; to a people who suffer in silence under the oppressive exactions of tyrannical organized labor; to decent, respectable, contented, patriotic organized-labor members who are slavishly submissive to selfish leaders, who merely exploit the real workers for their own ends and for their own life of ease and near-luxury.

THE "MADE IN AMERICA" CAMPAIGN OF THE NATIONAL ASSOCIATION OF MANUFACTURERS.

THE effort of the National Association of Manufacturers to have goods made in this country marked, "Made in America," and to induce American buyers to purchase as far as may be feasible American-made goods has, so far as we know, received very general commendation, but Mr. Clarence E. Bement, vice-president of the Novo Engine Company, Lansing, Mich., does not believe in the movement, and in a letter to the MANUFACTURERS RECORD states that he is sending us a copy of his criticism of this movement addressed to the National Association of Manufacturers.

Mr. Bement expresses the thought that his views "will not appeal to you, and, yet, I think it is so important and serious a matter that it may well receive discussion on both sides. I think this whole subject of foreign trade should receive more widespread discussion, and many phases of it that the average person may not recognize would possibly modify the views of some of us as to our attitude towards the imports into this country. At any rate, I am taking the liberty of sending this copy to you for your use if you choose to use it."

The letter of Mr. Bement to the National Association of Manufacturers is as follows:

"I am in receipt of a card under date of May 15 stating that you are getting out a sticker reading 'Made in the U. S. A.' in an attempt to induce people to buy United States-made goods instead of foreign-made goods.

"I am absolutely opposed to this proposition from both a moral and a business standpoint. We have made a settlement with most of the European countries on the basis of their paying their war debts to us, and those settlements have been liberal, from my standpoint, but they cannot pay them unless they can sell their manufactured goods. We are the most prosperous people on earth and we can well afford to

let European countries have what business they can get over our protective tariff.

"This move apparently has been fostered with the idea that we are falling behind in our export business. But how can we expect to increase our export business if we are sending out this kind of literature in an endeavor to shut off what goods the protective tariff allows foreign countries to bring in here? My own experience in life has been that you can't sell everything you have and buy nothing, and the spirit that this propaganda shows will not help us with any country on our own continent.

"I appreciate the fact that England is carrying on this kind of propaganda, but that doesn't make it a good thing for this great country of 115,000,000 people and, as the Europeans say, 'with all the wealth in the world,' to imitate her bad example.

"I regret that the National Association of Manufacturers has taken so narrow-minded a view of our world obligations."

The Editor of the MANUFACTURERS RECORD, in replying to Mr. Bement's letter, gave some specific illustrations of how foreign goods are flooding this market, as follows:

"I have yours of May 29, and am much interested in the presentation which you make of the foreign trade matter, though I cannot quite agree with your position.

"This country at the present time is being literally flooded with many lines of goods produced, for instance, in Germany. Recently I had my barber buy for his individual use for me clippers, scissors and a comb. On investigation it was found that all three of them were made in Germany, and in discussing the matter with the barber he told me that it was almost impossible to buy any of these articles except such as were made in Germany. The barber supply houses, said he, seem to have entirely abandoned handling American-made barber supplies and are handling only German-made stuff. Later I was told that it was very difficult to find a pair of shears not made in Germany. How true this is I do not know, but I do know that a large part of the shelf hardware handled in this country has come from Germany. Department stores are full of German-made stuff, especially smaller articles such as I have mentioned, toys and other things of a general character.

"In the South very heavy importations are being made of foreign-made cement and of foreign-made steel. Foreign steel makers are undercutting American steel makers with a rate of freight from England and Belgium to Galveston, for instance, of about one-fourth as much as the rail rate from Birmingham to Galveston. There is heavy exportation of cotton and grain from Southern ports, and vessels coming for these cargoes, rather than come in ballast, make low freight rates on manufactured products from European to Southern ports.

"I believe, therefore, in a high protective tariff and in a spirit of buying in this country, as far as we may be able to do this, things 'made in America,' and thus maintaining the prosperity of our laboring classes and aiding in the prosperity of farmers.

"Let me give you another illustration. With the incoming of the boll weevil into the cotton regions of the South, peanut growing increased to the point that it became a very important industry, adding largely to the prosperity of the farmers. But later on peanuts raised in China and Manchuria flooded the American market, to the loss of the American peanut growers. Some time ago a Japanese vessel, manned by sailors whose rate of wages is absurdly small as compared with ours, brought a heavy cargo of Manchurian peanuts and unloaded them at Jacksonville. As these Oriental peanuts are raised by labor which receives only a few cents a day, it is impossible for American laborers to compete with them with any fair degree of success.

"Shortly before the war I heard Mr. Charles Perrin, a well-known American engineer, then manager of a great steel plant in India, in a speech before the American Iron and Steel Institute, say that in his India plant he was employing about 8000 hands, and that the average rate of wages, including skilled labor, was between 7 cents and 8 cents a day! Wages are a little higher in that country since the war than they were then, but a year or two ago a big American cordage company abandoned one or two of its American plants and sent out the announcement that it was building a big plant in Calcutta because there one could secure labor at 17 cents to 18 cents a day, but that these were high prices for labor in Calcutta, due to the conditions following the war, and that it was expected that lower prices would prevail in the near future.

"I do not want to see American laboring people and farmers have to compete with such wages in the Orient or in Europe."

A GOOD EXAMPLE TO FOLLOW.

ON May 26 Mr. J. M. Mallory, general industrial agent of the Central of Georgia Railway Company, wired the MANUFACTURERS' RECORD as follows:

"Would it be possible to increase our order for Blue Books by 500 copies? Wire answer."

On the same day he wired:

"Thanks for your usual good attention. Please ship by Friday's Merchants & Miners boat the one thousand copies you are holding for me, and add five hundred copies to our order, which hold in Baltimore for Southern Exposition."

This was followed on May 28 by a letter explaining the reasons for needing these extra 500 copies:

Central of Georgia Railway Company,
Industrial Department.

Savannah, Ga., May 28.

Editor Manufacturers Record:

We have received so many requests for the 1926 Blue Book of Southern Progress in addition to our mailing list that I was compelled to wire you to increase our order, if possible, by five hundred copies. We mailed out the original order last week and I have already received numbers of letters of appreciation from bankers, business men, libraries and individuals. These are compliments which I am sure you will appreciate.

The 1926 edition is not only bigger but better. It is a publication of great value to those interested in the South, not only for the information it contains as to our resources but as a constant reference throughout the year. Please accept my heartiest congratulations.

J. M. MALLORY,
General Industrial Agent.

The foregoing letter from Mr. Mallory, the active, hustling industrial agent of the Central of Georgia Railway, is in keeping with the spirit of letters which have come to us from all parts of the South, as well as from other sections of the country, in enthusiastic praise of the Blue Book of Southern Progress. The 1926 edition is far and away ahead of any previous issue, although we had thought that the previous issues were exceptionally good, and so did the subscribers. No man interested in the welfare of the South, whether he be a Southern man or a Northern or Western man, can afford to miss reading the Blue Book of Southern Progress. The subscription price is 50 cents for a single copy, or 40 cents each for orders of 500 to 1000, and 30 cents each for 1000 copies or more.

While dictating the preceding, a letter received from Mr. J. R. McDonald of the W. J. Howey Co., stated:

"I had great pleasure reading your Blue Book carefully, and find it of such value that I desire all my salesmen to have a copy. Herewith check for \$6 for 12 copies. I may need more later."

These letters are indicative of many that are coming to us from all parts of the country.

Have you read the Blue Book of Southern Progress for 1926? If not, you are missing a vast fund of information about the South. If you have read it, have you realized the importance of distributing a few, or many, copies to your friends in the South and elsewhere in order to make known the advantages of this section?

A CORRECTION.

M. W. LOWRY, associate professor soil chemistry, State College of Agriculture and Mechanic Arts, Athens, Ga., calls attention to an error in publishing a letter from David R. Coker, which appeared in our issue of May 27, discussing the South's agricultural situation. Through an error in transcribing Mr. Coker's letter W. W. Long was quoted as Director of Extension of Georgia. Mr. Long is Director of Extension of South Carolina and Mr. J. Phil Campbell, whose name was omitted, is Director of Extension of Georgia.

SAFEGUARD FOR NEWCOMERS.

SEVERAL leading manufacturers of the East who have established branch plants in the South have advised the MANUFACTURERS' RECORD that they have had to overcome many unnecessary legal technicalities in securing titles to properties and some legal embarrassments of other kinds which, in their opinion, were wholly unnecessary. One complaint was of law suits that were brought against an important industry about to locate in the South as being another feature that often retarded and interfered with big Southern operations and frequently made a very unfavorable impression upon prospective investors in the South, and these impressions are naturally talked of among their friends by the people who are thus embarrassed, creating an unfavorable impression about the readiness of the South to co-operate in every way possible with industries seeking a location in this section.

Perhaps some of these complaints are partly justified, but some, we think, are not fully justified. The South itself should not be blamed for the acts of individuals in the efforts often made to charge unduly high prices or in other ways to embarrass men seeking business locations in the South for great enterprises. Nevertheless, the South as a whole gets the blame for every action of that kind. If one Southern state or Southern city does anything which creates an unfavorable impression in the East or the West, the entire South suffers for it. It behooves municipal, county and state authorities and individual business people to do all in their power not only to welcome the coming of enterprises and of men, but to safeguard in every possible way the men or the money coming into the South, provided, of course, that the man is a man of honor and that the money comes for legitimate investment.

THE PERMANENT INTERNATIONAL TRADE EXHIBITION AT NEW ORLEANS.

BELIEF that the New Orleans Permanent International Trade Exhibition, if properly developed, "will be of immense benefit to the South and to American trade in general" is expressed by E. S. Moses, one of the managers of the enterprise, and in this the MANUFACTURERS' RECORD concurs.

As one of the main features of the permanent exhibition will be a cotton exhibit, "to show every stage of cotton in the planting, fertilizing, spraying, picking, etc., down to the samples of every form of finished product and by-product"—a feature of tremendous interest and importance, as showing, for one thing, the efficiency of production and manufacture and the superiority of American-made goods.

Not that cotton is by any means to have a monopoly of the advantages of such an exhibition; other products and industries will be given ample opportunity to advertise to visitors from all corners of the world the great achievements and possibilities of the South in, literally, hundreds of lines. Nor is the South to have such monopoly, but all industries from every section also will enjoy the same opportunity.

The true value of such an enterprise will be developed progressively as time goes on, but even from the outset it gives promise of great things for the South and for all the nation.

A BANNER YEAR.

THE Alabama Clay Products Co. of Birmingham, Ala., in a letter to the MANUFACTURERS' RECORD says:

"We are pleased to report that business continues very active in this section, with the outlook very encouraging, and we anticipate that 1926 will be as good or better than 1925, which was our banner year."

Texas, Ahoy!

THE Los Angeles Times, in an effort to be funny at the expense of Texas, under the heading of "Texas, Ahoy!" recently published the following editorial about that empire of the Southwest:

"Texas is growing weary of a fame based only on her linear dimensions. The Lone Star State realizes that to be known by size alone is not sufficient. Henceforth she intends that those who speak of her as a great state shall mean something more than a large one.

"Wherefore arises one Wellington Brink of Dallas and sounds the reveille, summoning the people to arise and prepare the way for the new Texas. His trumpet call thrills with zeal and vigor, though the instrument sometimes sounds more like a saxophone than a bugle.

"In his campaign for a better-known and more widely advertised Texas Wellington starts with the right foot. He exhorts his fellow-Texans to turn their eyes to California and follow the example of the Golden state. This is excellent advice, and we believe by following it the Lone Star may climb to its zenith.

"By claiming for Texas an equality with our own famous state as a national year-round playground the Dallas journalist exhibits boldness and ambition, two excellent qualities with which to start a boosting campaign. He puts his state in the proper frame of mind for selling her charms by declaring, 'Florida, California and Texas are three of a kind—and the house is not yet full.'

"To which we might add in the words of Hamlet, 'A little more than kin and less than kind.'

"Wellington Brink somewhat pushes the comparison a little later, however, by saying, 'Our Galveston and Corpus Christi bathing beauties don't develop any more gooseflesh to the square inch than those of sunny California and feverish Florida.' Somehow in California we have never thought of our sea beaches in terms of gooseflesh.

"In waxing poetic over the natural beauties of Texas scenery, Mr. Brink at times is a little confusing. Thus we have, 'Our mountains kiss the skies as languorously as in other lovely sections'; and then, 'Mountain peaks look down solemnly from their eminence of 7000 feet.' California mountains have not yet achieved the distinction of being at once solemn and languorous, though they have passed the Texas height limit.

"Only once does he venture into the realms of prophecy, and then he chops off his prediction thus: 'Within ten years it is thought probable that this part of Texas will be shipping more grapefruit and oranges than—' We are willing to take the unfinished sentence as a delicate compliment to our progressive citrus industry.

"Imitation is the sincerest form of flattery. Only in one instance can we take objection to Mr. Brink's worthy intentions to use California as a foil for Texas. Thus: Texas, however, has gone Florida and California one better in the matter of preparation. Ma Nature * * * has laid a beauty that is more than skin deep across the face of this noble state.

"Perhaps the beauty of Texas may be 'gooseflesh' deep. At any rate, our big neighbor has our best wishes for the success of her coming-out campaign, gooseflesh bathers, solemn, languorous mountains, bone-deep beauty and all."

Talk about Texas being represented by size only—why, Texas has been known for so many other good things that its vast area has long ago been laid aside when people attempt to tell about what Texas is, what it has and what it will be. To start with, Texas has wonderful people—broad, great, brainy business men; great religious and educational leaders, great universities, great public schools and a vast income for its universities and its schools, mighty preachers of the Gospel, ranking among the greatest pulpiteres in America. When an intelligent man studies Texas he is more impressed with the vigor and the mental power of Texas men than he is with the vastness of the state's area. He is so impressed with the marvelous progress of its growing cities, their beauty, their wonderful park systems, their magnificent church structures, their superb school buildings and other evidences of progress and prosperity, that in thinking of these things the size of Texas counts as very little.

Texans do not have to turn to California or to Florida for any illustration of potentialities. They do not have to imitate either California or Florida; they do not have to contrast their mountain peaks—which rise in one case to over 9000 feet, with others but a little lower—with the mountains of California. They rejoice in their great rivers rising in the high mountains and rushing for hundreds of miles through beautiful regions, in many places as fertile as the Valley of the Nile. They do not have to form their conclusions about the citrus industry of the state in comparison with California; they know that Texas can raise oranges and grapefruit which are as much superior to California's as a delicious, juicy apple is superior to the Dead Sea apples, which crumble into dust. Many other farm products are as superior to those of California as a juicy orange is superior to sawdust, even when that sawdust is surrounded by the bright color of California's tasteless oranges.

Texans know that their state leads the nation in the value of agricultural output, and yet that the ground has scarcely been scratched in comparison with its area and its possibilities. They know that Texas has one of the great lignite fields of the world and that this lignite will soon be turning the wheels that create electric power for transmission over a wide area, giving cheap power to thousands of manufacturing enterprises. They know that Texas is one of the world's great oil centers; that it has a marvelous variety of granites and marbles and minerals too numerous to mention. They know that its climate is so charming that even people from such places, for instance, as San Antonio regard the summer climate of that region as preferable to the heat of much of New England. They know that no state in the Union has been giving greater attention to wonderful park systems in towns and cities and throughout the state. They know, too, that what has been done in agricultural and industrial development is only the beginning of a growth which will make Texas one of the wonder regions of the world.

To talk about Texas and California in the same breath, except to show the immense superiority of Texas, only indicates how little the Los Angeles Times knows about one of the most richly endowed regions on the face of the earth. And that region is Texas. Why, even in foreign commerce it is worth noting that the export trade of one city in Texas—Galveston—surpasses by \$66,500,000 the entire export trade of the Pacific Coast. Texas people know that while the total export trade of Los Angeles, San Francisco and all other California ports combined amounted to \$261,157,000 last year, Texas exported \$765,907,000, or nearly three times as much.

If the editor of the Los Angeles Times really wants to have his mental vision broadened, his mind stimulated to an unwonted degree, let him leave California for a few days and travel over Texas, and then if the truth is in him and he is willing to let it out he will sing the praises of Texas beyond anything that he can ever sing of California. Whenever the people of Texas, with their greater resources and advantages about which to boast, turn loose in boasting and in publicity work one-half so strongly as the people of California have done for the last forty or fifty years, there will be seen a growth in population and in wealth which will put to shame anything and everything that Los Angeles and all of California have ever done.

According to Fred N. Tate of High Point, president of North Carolinians, Inc., his organization will soon inaugurate a campaign for advertising North Carolina throughout the nation.

American Chemical Research Develops a Real American Potash Industry.

By RICHARD WOODS EDMONDS.

This is the story of one more triumph of American chemical and engineering skill in a hitherto unexplored field. It is a story of a hard fight against heavy odds; a story that reveals anew the value of patient, systematic chemical research, even at heavy cost. It is a story that should be read with care by everyone who has a lingering remnant of a notion that foreign chemists have any sort of an edge on American chemists.

Probably everybody remembers that when the war shut off our supplies of German potash our farmers were in bad shape. A good many of us remember that numerous corporations rushed into the breach and attempted to manufacture potash, either as a by-product of blast furnaces or cement plants, or as the main product of new plants. Probably few readers know how, after the cessation of hostilities and the resumption of German shipments, our infant potash industry rapidly fell off. An attempt was made to protect it by a tariff, but the farmers defeated that, and one by one the old plants dropped the manufacture of potash as a by-product, while two by two the new plants succumbed to the competition from Germany. But one of them, the American Trona Corporation of Searles Lake, Cal., called in an American consulting chemical engineer, Dr. John E. Teeple of New York, and asked him to make an investigation of their plant and problems.

When Dr. Teeple went to Searles Lake in 1919 he found the company losing money rapidly. He found a plant that had been erected and operated in pioneer fashion, without scientific knowledge of the problems of their situation, and, therefore, without knowledge of the solution of those problems. In his report he recommended that one of two courses would have to be adopted: First, the plant could be completely and immediately abandoned and all the millions put into it wiped out, a total loss; second, the men who already had put millions into it could put in more in thorough, careful, systematic research, in the hope of making a success of the operation. It was Dr. Teeple's judgment that there was an excellent chance for success by this method.

The Britishers who already had put their money into the venture took this report and sat down to study it. We can imagine they did not find it pleasant reading to learn they had spent all their money to little purpose, and that if they wanted to salvage it at all they would have to spend much more. They took a month to digest that bit of information and then, with characteristic British tenacity, they came up with the decision to see the thing through to a finish.

Between that decision and their recent decision to double the capacity of their successful plant much water has flowed over the dam. Of about 40 plants that on November 11, 1918, were making potash as a main product, this is the sole survivor. This survivor of the grim struggle for existence had the vision to call on an expert chemical engineer, and the faith and courage to back up his recommendations with a steady flow of money, and still more money. Looking back now, that company's path may appear very straight and clear, and we may be inclined to call those financial backers lucky men. To give the credit to luck would be to overlook the study of conditions and the courage it required, seven years ago, to resolve to pour more hundreds of thousands of dollars into a salt lake 5000 miles away, into which they had already sunk several millions. To do it required a greater faith in the potency of chemical research than most Amer-

ican business men have. Dr. Teeple has said that had his report seven years ago been addressed to a group of American financiers he would not have bothered to recommend the alternative of putting more money into research, for American capital, as compared with British capital, is notoriously shy of risks and rarely has the patience to await the results of prolonged research.

Having made their decision to stick it out, the British backers asked Dr. Teeple to take the responsibility for carrying out his recommendations. Dr. Teeple accepted.

The first step after plant operation was provided for was the organization of a research and development department to determine, first, what problems were to be met, and, second, how they were to be solved. Dr. Teeple organized the department with R. W. Mumford at the head and laid out and supervised its campaign. After a while, the efforts at research began to yield results. Selling, which was play during the war, now became work, and it became necessary to reorganize the selling department. Dr. Teeple found A. A. Holmes to head it. The time came eventually when Dr. Teeple was able to report to his directors that he was operating at full capacity, was selling every pound he could make and was showing a profit on the operation. This does not mean a profit on the total investment, for much money had gone into mistakes and much also into research; it does mean a profit on a fair replacement value of the plant and the cost of operation. Further, he was able to show that the plant was badly out of balance, some parts having twice the capacity of other parts. By balancing the operation on the basis of the larger units, he could double the plant's capacity at a moderate outlay. The plant would then yield a reasonable profit on the entire investment. The necessary money was provided. The additions are now under way and are expected to be completed in December of this year, so that the increased capacity will come in with 1927.

The company makes two products, potash and borax, the latter being an important by-product of the main operation. The ratio of the two products is about one pound of borax for every two pounds of potash. During 1925 the combined production was 55,000 tons, or about 37,000 tons of potash to 18,000 tons of borax. During 1926 this figure will be slightly bettered. In 1927 the combined production will be 135,000 tons, or 90,000 tons of potash and 45,000 tons of borax.

The significance of these figures is that, in the case of borax, a 45,000-ton plant will be far and away the largest plant in the world, providing more than the entire consumption of the United States and almost half the world's consumption. In the case of potash a 90,000-ton plant will be one of the large plants of the world, but will provide only a small portion of our annual consumption. In 1925 the United States imported about 250,000 tons of potassium oxide. The 90,000 tons of potassium chlorid to be made by the Trona Corporation annually will be equivalent to 22 per cent of the above import figure for potassium oxide. Furthermore, it is the first potash plant in this country, with possibilities of large expansion, to successfully weather foreign competition. It is selling its potash all the way from California to Maine, and could sell four times its present production as easily as it sells its present output.

Whether the process developed by the Trona Corporation can ever become an important factor in breaking the German monopoly remains to be seen. The revenue from the sale

of borax is an important element in the success of the operation, and the market for the borax is not so large as that for potash. Borax is an important constituent of enameled ware, such as bathroom and kitchen plumbing fixtures, and of the tough, heat-resistant glasses such as Pyrex and the glass uses in industry. A new field for its use has recently been developed in preserving citrus fruits during shipment. By this process the fruit is first thoroughly washed to remove all of the bacteria that cause decay, then dipped in a bath of borax solution, and finally coated with an extremely thin layer of paraffin to keep out air and bacteria. Fruit so treated may be shipped without the aid of refrigeration and, it is said, will keep better than refrigerated fruit not so treated. The process widens the market for borax, and other uses may be found that will take up the enormous production of the new plant at Searles Lake.

Dr. Teeple calls his achievement a pioneer adventure, since there were no precedents to guide him, and gives much credit to four of his men who have been right on the job from the beginning. They are F. Vieweg, R. W. Mumford, W. E. Burke and Harold de Ropp, who, he says, are endowed with those sturdy pioneer qualities—courage, self-reliance, initiative and originality. The most brilliant of routine chemists obtainable, lacking the courage and self-reliance of these men, would have been unable to carry through the arduous labors they have completed. Other chemists who are familiar with Dr. Teeple's work credit him with an achievement that will eventually rank as one of the outstanding feats of modern chemical engineering. And not only did he organize the capable staff to which he gives so much credit, and map out and supervise the research campaign it carried through, but he also has been an executive officer in carrying out the production, sales and other business departments of the corporation.

But, in the final analysis, the success of the Trona Corporation is due to one thing—persistent, systematic chemical research.

Foundation for \$4,000,000 Courthouse.

St. Louis, Mo.—Bids will be received until June 15 by the Board of Public Service for the excavation of open-well caissons and the construction of foundation piers and site enclosure for the proposed \$4,000,000 courthouse to be erected here. As previously outlined in the MANUFACTURERS RECORD, the building will be 21 stories, 162 by 135 feet, of steel construction, faced with stone, and concrete floors. Plans have been prepared by the Plaza Commission, Inc., and information may be obtained from E. R. Kinsey, president of the Board of Public Service.

Foundation Contract for \$1,000,000 Building.

Chattanooga, Tenn.—Contract for excavation work and foundation for the new \$1,000,000 bank and office building for the Chattanooga Savings Bank & Trust Co. has been awarded to the Mark K. Wilson Co. of this city. As previously detailed in the MANUFACTURERS RECORD, the building will be 200 by 60 feet, 10 stories and mezzanine. Banking quarters will be finished in marble and bronze, while the offices will be finished in walnut. Plans and specifications have been prepared by the R. H. Hunt Co., Chattanooga.

Raleigh Sells \$400,000 of School Bonds.

Raleigh, N. C.—Bonds in the amount of \$400,000, the first of \$1,300,000 of school bonds recently voted by this city, have been sold to the Wachovia Bank & Trust Co., Winston-Salem, with a branch in Raleigh. The selling price was 102.583.

Plans for \$5,000,000 Hotel in St. Louis.

The construction of a \$5,000,000 hotel apartment building at Spring and Lindell avenues, St. Louis, is expected to be started this summer, a site for the structure having recently been acquired by Preston J. Bradshaw and associates, owners of the Coronado Hotel in St. Louis. Plans as now drawn by Mr. Bradshaw call for a 21-story structure, exclusive of tower, of Spanish design, faced with cream-colored brick and terra cotta, and having a red tile roof. The main entrance will be off Lindell boulevard, and the entire lower floor will be devoted to an arcade, with lounging rooms, small banquet rooms, theater of 800 seats, small shops and other facilities.

Provision will be made for 250 kitchenette apartment suites and 300 hotel rooms, all en suite with dressing rooms and baths. Six elevators will be installed for passenger and freight service. On the second floor two large terraces will be provided for summer lounging, while space will also be



PARK LANE HOTEL TO BE ERECTED IN ST. LOUIS.

provided on this floor for rooms for women's organizations and a collegiate wing for traveling graduates of universities, the latter to be equipped with reading rooms and other facilities. Three floors will be devoted to the use of women guests and parlors equipped for their comfort. The upper floors will be devoted to studio apartments with two-story living rooms. Details for interior finish have not yet been determined. The building will be known as the Park Lane Hotel, and it is stated that financial arrangements for its construction have been completed.

Memphis Sells \$500,000 of Notes.

Memphis, Tenn.—Short-term notes aggregating \$500,000 have been sold by the city of Memphis to the Union and Planters Bank & Trust Co. of Memphis. The notes will bear an interest rate of 4½ per cent, and will mature on September 6, 1928, as they were sold to secure funds to meet expenses of the city only until new taxes are collected.

A Gigantic Electric Power Plant to Operate on Texas Lignite as Fuel.

LIGNITE MINED BY ELECTRIC SHOVELS EIGHT MILES DISTANT FROM PLANT—TWO MILES OF LEVEE BUILT—50-ACRE PLOT FOR OUTDOOR SUB-STATION, SWITCH YARD, ETC.—VILLAGE FOR PLANT EMPLOYEES.

By JOHN W. CARPENTER, Vice-President and General Manager, Texas Power & Light Co.

Out in the midst of a territory formerly given over to Texas bottomland farms and the winding course of the sluggish and erratic Trinity River, a giant of modern industrial progress has reared its form of brick and steel. Distant from the centers of large population in the state, and two miles from the nearest community, this project, the Trinidad steam-electric plant, puts a new wrinkle into the industrial progress of Texas.

The Trinidad plant is considered by engineers to be the outstanding utility development in the history of the Southwest, and is expected to open new possibilities for the industrial growth of a state that has only a few widely separated rivers. Due to the size of Texas, there are great distances to contend with that do not hamper smaller states.

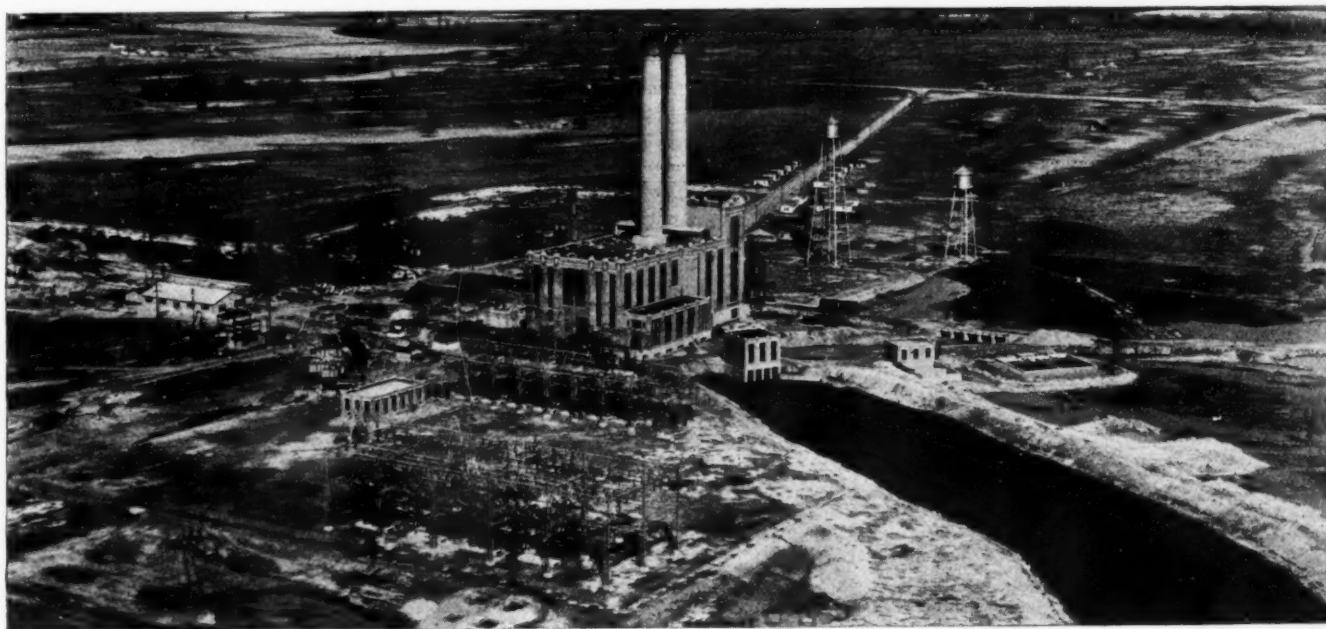
This generating plant, conceived for the purpose of utilizing the vast fields of Texas lignite, found in unknown quantities

Texans that their state, lacking in the bountiful water-power from mountain streams found in many states, would have another form of power nearly as cheap as water.

Although they realized the inherent drawbacks of this "near-coal," they hoped for a process which would make the fuel available for use under factory boilers. Repeated experiments along this line have failed to bring out a process for the satisfactory use of lignite in large quantities by burning it in lump form as coal.

Texas has within its borders four fuels—oil, gas, coal and lignite. At present oil and gas are the principal fuels, and will continue to occupy an important place in the development of the state. However, due to the increasing demand for gasoline, the time is rapidly approaching when fuel oil will not be available at a price that will permit its use for power generation.

Natural gas is being used as a fuel by a number of steam-electric stations, but as gas is also used to a large extent for



AIRPLANE VIEW OF TRINIDAD GENERATING STATION.

Water from the Trinity River is used to maintain an artificial lake of 800 acres; the water intake channel is plainly shown. The switching station in the foreground is for 130,000 volts; the one nearest the plant is for 60,000 volts.

in central and east Texas, will begin supplying energy for the central transmission system of the Texas Power & Light Co. by midsummer, when the first unit of 20,000 kilowatts begins operation. The second unit of 20,000 kilowatts will start operation two months later, and the plant will be increased to an ultimate capacity of 160,000 kilowatts.

Oil fields, not many miles away; textile mills, gins and other industries that are developing the natural resources of Texas will be the ultimate consumers of a large part of the power output of this generating station.

Texas lignite, known for more than fifty years to have been in existence, has been the source of many dreams of

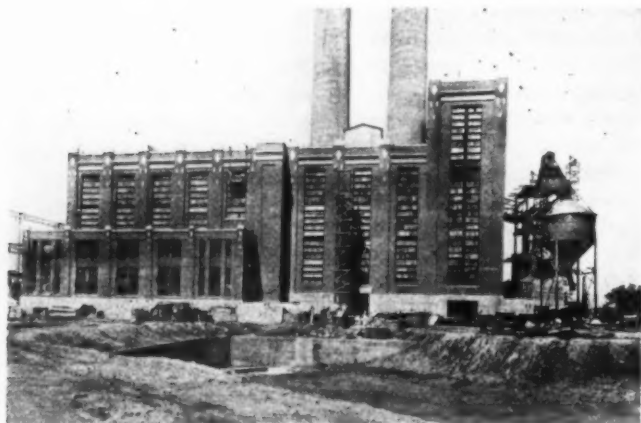
domestic purposes it can only be obtained for generation of electric energy where an excess is available after the domestic needs have been supplied.

In the western part of Texas are bituminous coal deposits estimated to contain 8,000,000,000 tons, but these fields are a little remote from the load center of the transmission system.

Texas lignite deposits are one of the state's greatest resources. These deposits cover an area of 60,000 square miles, and it is conservatively estimated that 30,000,000,000 tons are available. Much of this lignite lies within a few feet of the surface of the ground, so that it can be mined by stripping.

In building the Trinidad station engineers tackled the problem of burning lignite from a different angle, and devised new boilers and new means of feeding which would permit the use of this low-grade coal. Lignite comes from its shallow mines filled with moisture, and upon being exposed to the air for any length of time undergoes a process of deterioration which lessens its value as a fuel. As very little data was available on burning lignite, a great deal of experimental work was necessary in order to determine the proper methods of handling and burning it. The final decision of engineers was to burn the fuel in a pulverized form.

Under the process to be used in the Trinidad plant, the



MAIN BUILDING OF POWER PLANT.

The outlet channel is shown in the foreground. At the right is the lignite handling tower.

lignite, mined only eight miles away, will be shipped to the plant each day and run through a process of drying and pulverizing to reduce the fuel to a dust. It will then be stored in bins and fed into the furnaces by air blasts. powdered lignite, burned in this manner, gives a steady heat, much like oil or gas.

After the lignite reaches the yards from the mines and is weighed, it will be handled entirely by electrical machinery.

which are capable of rendering 20 tons of lignite an hour to the fineness of cement. As fast as it is pulverized the lignite is removed by a current of air, separated from the air by centrifugal force in cyclone separators, and carried by means of screw conveyors to bins at the top of the boiler room between the boilers.

The pulverized lignite will be blown into the furnaces by a stream of air through eight burners, directed downward into the combustion chamber. After the flame turns upward it must travel a distance of more than fifty feet before reaching the tubes of the boiler. After delivering their heat to the boiler the heated gases are discharged through reinforced concrete chimneys, which are supported entirely by the boiler-room roof, although they weigh 3400 tons each. One chimney is provided for each two boilers. They tower 410 feet above the ground and have an inside diameter at the top of 15 feet.

To remove the ashes from the furnace drag scrapers will carry the ashes to the ash pit, from where they will be elevated to an ash bunker above the railroad tracks and dumped into cars.

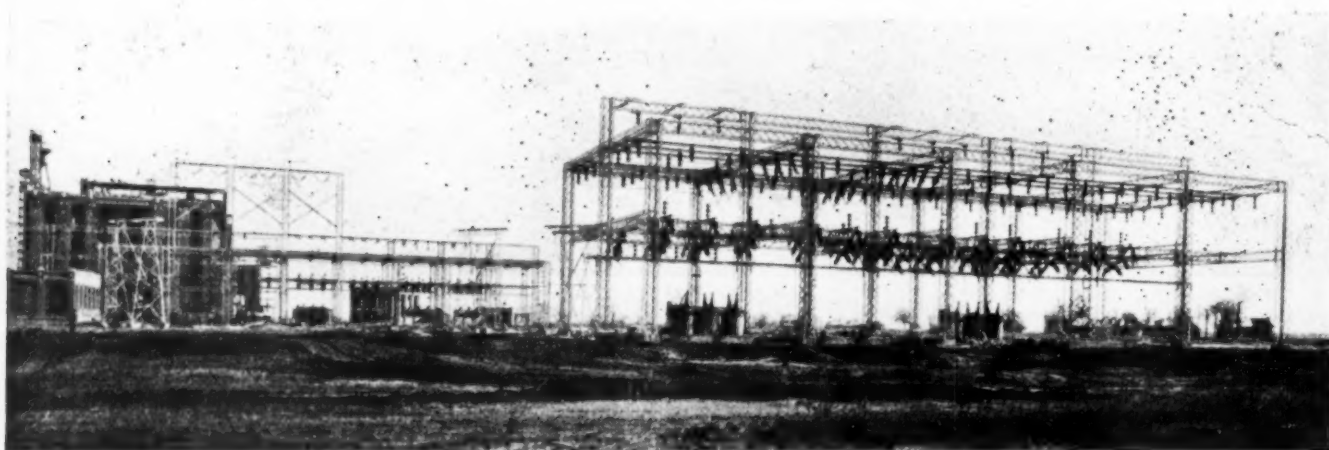
Obviously, such a process would be too expensive for the average manufacturing company, and could be efficient only when the boilers were worked at full capacity day and night. Turning this fuel into electrical energy, the benefits of lignite can be transmitted miles away from the site of the mines.

Already a giant electric shovel, the largest ever constructed, is stripping off the top cover of the earth within a few miles of the plant, and is exposing thick layers of lignite ready to be scooped up by smaller electric shovels into waiting coal cars, which will transport the fuel the short distance to the power plant.

The plant site has an area of 1500 acres, or nearly $2\frac{1}{2}$ square miles, within which is located the generating station, railroad yards, lignite storage yards, reservoir, outdoor electrical yards and a village for the operators.

The railroad yards provide sufficient trackage to handle 50 cars of lignite a day into the plant. These tracks are also suitable for handling machinery into the main building. An electric locomotive will handle all switching within the plant yards.

The plant itself marks a radical departure from the usual



CLOSE-UP VIEW OF SWITCHING STRUCTURES.

The central control house is shown at the extreme left. In the left background is the power plant.

It will first be dumped into crushers, which reduce the lumps to $\frac{3}{4}$ -inch size, and then carried by bucket elevators and belt conveyors to either the coal-storage yard or to the crushed coal bin in the main building. When the lignite is turned into the bins it will drop into steam-heated dryers which will remove moisture equivalent to 10 per cent of its weight, and from there it will be sent to the pulverizers, four in all,

practice in power-plant engineering. The reservoir necessary to provide cooling water has been created by building $2\frac{1}{8}$ miles of levee to an average height of 22 feet. The lake thus formed will store 3,000,000,000 gallons of water covering an area of more than a square mile, 40 feet above the normal water level of the river. To fill this lake and to replace water lost by seepage and evaporation, two pumps, each

having a capacity of 11,000 gallons per minute, have been placed in a pump house on the river bank. Each of these pumps is driven by a 250-horsepower electric motor.

Because of the size of the lake designers of the plant were able to run the heated water from the condensers out through a natural slough which winds about one side of the lake and finally flows into the lake itself. It has been estimated that 30 days will be required for water to make the entire circuit from the intake house, through the condensers and back into the lake again by way of the slough.

The condensing water flows from the lake through the intake canal to one of the tunnels under the power plant where it is picked up by two 30-inch pumps for each condenser. These pumps have a combined capacity of 40,000 gallons per minute. After passing through the condenser it goes into the other tunnel, thence into the slough which discharges at the end of the lake opposite the intake. In passing through this cycle it is cooled to normal temperature by surface evaporation, so that this water may be used continuously except for a slight make-up due to seepage and evaporation.

The generating-station building is 135 feet wide, 216 feet long and 112 feet high above the ground level, the main floor being 8 feet below ground level. The foundation of this building is a continuous heavily reinforced concrete slab, with an average thickness of 7 feet, resting on concrete caissons, 20 feet in diameter, reaching down 30 feet to bed rock. Built into the foundation below the slabs are two tunnels through which the condenser circulating water is drawn from and returned to the lake. The building superstructure is of a heavy steel, faced with red brick, trimmed with terra cotta. The building is divided by partitions into a lignite pulverizing bay, a boiler room, a turbine room and office. Underneath the office are located the machine shop and locker rooms.

The four boilers, when operating at maximum capacity, will require 75 tons of lignite per hour. Steam will be generated at a pressure of 425 pounds per square inch and temperature of 750 degrees F.

Four 2000-horsepower boilers are provided, each of which will be enclosed in a furnace 30 feet square and 80 feet high above the basement floor. In other words, each boiler setting is comparable in height to a six-story office building.

The turbine room is 100 feet square, with a ceiling height of 90 feet above the main floor. The turbines are on concrete foundation 30 feet high. Above them is mounted a crane of 100 tons capacity. In the foundation under each turbine is located a steam condenser having a cast-iron shell 11 feet in diameter and 28 feet long. Each condenser contains 4000 tubes, 22 feet long, through which condensing water is passed while exhaust steam to be condensed surrounds them. The total length of these tubes is 17 miles.

Adjoining the turbine room and directly under the office there is a machine shop completely equipped to do any machine work which may be required for the upkeep of the equipment. Below this there are two locker rooms with shower baths, wash basins, toilets and individual lockers for each employee. The office of the chief engineer and his assistants is located above the machine shop. A first-aid room, fully equipped to take care of employees in case of accident, adjoins the office.

In order that electrical energy produced by generators may be available for use in homes, mills and factories over the vast territories served, apparatus is provided for controlling its flow and putting it into suitable form for transmission over wires to distant points. This apparatus is located out of doors, a plot of 50 acres being devoted entirely to the ultimate development of this equipment. The outdoor arrangement is in keeping with the latest designs in the art and results in an enormous saving in construction.

The energy from each of the two generators is carried

directly out of doors without intervening equipment into a set of three transformers, by which the potential is changed from 12,000 volts to 60,000 volts, and also to 132,000 volts, so that it may be transmitted over long distances economically. Each of these transformers has a total weight of 160,000 pounds, and for handling them special trucks and trackage are provided so that they can be run to the powerhouse and handled by the 100-ton crane.

In the initial development three lines will lead from the 60,000-volt bus with an ultimate number of 12 such lines. For the present there will be only one 132,000-volt line, but provisions have been made for extending the station to provide for 12 such lines. This will be the second 132,000-volt line in operation in the Southwest.

All of this outdoor equipment is controlled from a small house located in the middle of this lot but remote from the main building. The metering equipment is also concentrated in the control house. Telephone communication is established from the control house to the boiler room, turbine room and chief engineer's office in the main power-house, and also with the system-load dispatcher's office in Dallas. In this way the operation of all the principal electrical equipment in the plant is centralized and controlled from this one point.

Realizing that the morale of the employees is dependent upon convenient, healthy and beautiful surroundings, the assistance of a prominent city-plan engineer was secured, who worked in conjunction with the building architect and landscape architect, and a beautiful village to be occupied by the families of men engaged in the operation of the plant was developed. This village is situated on the north shore of the lake among a grove of native trees. This development compares very favorably with present-day suburban developments, and has the advantage over many of them in that all houses face the south overlooking the lake. In addition to the construction of this village, the company has co-operated with the officials of the independent school district, who have started the erection of a modern school house, located halfway between the company village and the little town of Trinidad.

This school will be constructed of brick and tile and will contain the district high school. By placing the school between the plant and Trinidad children of employees at the power plant and other industries will have opportunities for education equal to those in many towns. Arrangements are under way to give this school full affiliation with Texas colleges and universities.

Contract for \$1,350,000 Hotel and Theater.

Fort Worth, Texas.—General contract has been awarded to the Hewitt Construction Co., Houston, for an 18-story hotel and theater to be erected here by the Fort Worth Properties Corporation, of which John T. Jones of Houston is president. The building will be 200 by 95 feet, of Georgian Colonial architecture and of granite, stone and brick construction, and will cost approximately \$1,350,000. Alfred C. Finn of Houston and Wyatt C. Hedrick of Fort Worth are the architects. Vilbig Brothers of Dallas have contract for excavation.

Increase Capital Stock for Additional Compress.

El Paso, Texas.—Directors of the El Paso Compress & Fumigation Co. have decided to increase the capital stock of the company from \$400,000 to \$500,000, with a view, it is said, of erecting or acquiring a compress at tidewater, probably in Houston. It is estimated that 90 per cent of local cotton is exported; as it is not necessary to fumigate cotton for export, it may go to port without being compressed here.

Oil Developments in Texas Have Revolutionized That State and Enormously Increased Its Prosperity.

Galveston, Texas.

In an address by W. S. Farish of Houston, president of the Humble Oil and Refining Company, subsidiary of the Standard Oil Company, and also president of the American Petroleum Institute, read at the convention of the State Bankers Association here, the law passed by the last legislature allowing foreign capital to control the stock of domestic corporation was highly praised and defended. This law is now an issue of the political campaign in Texas, its repeal being urged by Lynch Davidson, one of the candidates for Governor. Mr. Farish gave an interesting review of the oil industry in Texas and pointed out the beneficial effects that foreign capital investments are having in this state:

"The oil industry has been developed and built up with foreign money, that is, money from outside of the state," he said. "The property and values, however, are all in Texas and are being taxed in Texas. For one reason or another the impression has been in the East, in the money centers, that Texas was not favorable to outside money. As a matter of fact, and as a matter of record, because of this feeling and because of the fact that foreign money was shy in coming to Texas, Texas people have paid a penalty. This penalty is measured by interest rates. Our ranchmen, our landowners, our farmers and our industry over the past have paid higher interest rates than similar properties in other states. To express it differently, the average borrower in Texas, until recently, paid at least 1½ per cent more interest than the average borrower in other states. This is easily understandable. Being largely an agricultural community, with few large cities, and very little concentration of wealth, the money in Texas to lend was not sufficient to meet the demand. The money outside of Texas hesitated to come in because of the fear that it was not welcome.

"The Secretary of State has recently said in a published statement that more foreign capital, represented in aggregate capital stock, has been invested in Texas in 1925 than in the 50 preceding years collectively. What has brought about this state of affairs? Is it solely registering the fact that foreign corporations and moneyed interests have just realized that Texas exists? Is it mere chance that it has come about that this great wealth is available for investment in Texas? I think not. In my judgment, foreign investors have at last been convinced that Texas is not unfriendly, but welcomes and will protect legitimate investments from whatever source they may come.

"Since the discovery of oil at Spindletop in 1901 the activity of the industry in our state has been increasing yearly. With practically nothing invested in the oil business in Texas at the beginning of 1901, there is now \$1,250,000,000 or so invested, including investments in leases, drilled wells, pipe lines, refineries, tank cars and sales equipment. Investments in this great business in the United States total more than \$9,000,000,000. So that the growth and extent of the business in Texas has been in a measure paralleled by the growth and extent of the business in the United States, with probably one-eighth to one-seventh of the total investment of the United States in Texas.

"Competition in the acquisition of leases, the drilling of wells and obtaining of production in this state and in this industry is very keen. Today the four largest companies in this state are producing only about one-third of the oil, the other two-thirds being produced by hundreds of companies and individuals. The facts must convince any unprejudiced

mind that there is no business conducted today that is as highly competitive as the oil business.

"In Texas alone this industry collects for the state a sales tax on gasoline of approximately \$4,000,000 a year. The industry pays in direct ad valorem taxes at the same rate and in the same proportion that all property and industry pays. In addition to all of this the industry pays to the state on every barrel of oil produced a gross production tax which totals \$7,250,000 annually. It is entirely true and safe to say that the industry, by reason of these special taxes, not only in Texas but throughout the whole United States, is being taxed more and at a higher percentage than any other industry. The oil business in its total taxes is paying well in excess of 40 per cent of the total taxes paid to our state, and the taxes paid by the oil industry today to the Government equal the total taxes received by the state from all sources 10 years ago.

"The payrolls of the oil companies in the state aggregate approximately \$250,000,000 yearly. The amount of money spent by the industry for bonuses and leases aggregated approximately \$225,000,000 last year. The oil industry, through the payment of bonuses, is revolutionizing the value of millions of acres of so-called waste or grazing lands in the state and is giving new values to immense areas. Great riches have been added to the university lands in many counties over the state, due to the efforts of the oil producer.

"The total tonnage of petroleum and its products in Texas for the last year that figures are available was 13,218,889 tons, or about 17½ per cent of all tonnage moving in the state. Its movement is more than six times as large as that of cotton or wheat; five times larger than the movement of livestock, including all animal products. It is by far the largest single commodity carried by the Texas rail lines, and I believe that the same situation is true throughout the entire Southwest. This takes no account of pipe and steel and other heavy tonnage necessary to carry on the oil industry.

"What about the future of this industry in Texas? We have all producing rocks, from the very old to the new. We have all types of producing structures in which oil accumulates. Oil is found in this state from Amarillo on one corner to Orange on the other; from the Rio Grande Valley in the southwest to Panola county in the northeast. The geologists who are thoroughly familiar with the geology of this state, by reason of years of study, believe that there are 151,000,000 acres of land in the state within which it is possible to discover oil fields and produce oil; this area represents about 87 per cent of the total area of the state."

Office and Store Building for Carpenters' Union.

Washington, D. C.—General contract for the erection of the new building in this city for the United Brotherhood of Carpenters and Joiners of America, Local No. 132, has been awarded to James L. Parsons, Jr., of Washington. The structure will be 50 by 100 feet, 8 stories, fireproof, of reinforced concrete, steel, granite, Indiana limestone and face brick, with concrete and hollow-tile floor slabs, gypsum block and hollow-tile partitions, slag roof and marble, terrazzo, tile and Georgia pine flooring. It will be equipped with two passenger elevators, hand-power lift and ice plant. O. Harvey Miller of Washington is the architect and C. H. Adams chairman of the building committee.

John R. McQuigg, National Commander of the American Legion, Discusses America.

AN ADDRESS DELIVERED AT DAYTONA BEACH, FLA., AT ANNUAL CONVENTION OF FLORIDA LEGION.

[The following address, voicing the things for which the American Legion stands, should be studied by every patriotic American. It is a ringing call to sanity and rational safety.—Editor Manufacturers Record.]

When an organization comes into being and in the space of seven years numbers over 600,000 bona-fide members it is perhaps well that the people of the country generally should give heed and ascertain, if they can, what the aims and purposes of the organization are. Why does it grow and why is the American Legion given an attentive ear in the halls of Congress and in every legislature throughout the land? Largely because it is an organization for service—service to God, to country and to humanity.

When the Armistice was finally signed, when the roar of the guns had ceased, when that awful stillness had settled over fields and forests still soggy with the blood of uncounted thousands, and when those mighty hosts had enjoyed a few hours of such sleep as only the battle-weary can appreciate, the whole American Army became one vast interrogation point. What next? What comes after this? Where do we go from here? These were questions on the tongue of every American soldier. In a day there seemed to spring up a feeling that something better than the horrid recollection of battle scenes and the nauseating odor of hospitals should be the legacy of the greatest conflict of the ages. Spontaneously there developed in the American Expeditionary Force a feeling that if something of the singleness of person and unity of action that won the war could be preserved and transferred to America on our return home, it would be mightily to the advantage of the country. These thoughts, in embryo, were in the minds of the delegates as they assembled in the old Circle Theater in Paris, in March, 1919, to form a preliminary organization and adopt the forerunner of our present constitution.

Organizations are pretty generally and rightfully judged in their early stage by their declaration of aims and purposes. The preamble to the constitution of the American Legion states with remarkable clearness the purposes for which the Legion was created.

Its provisions are:

"For God and Country we associate ourselves together for the following purposes: To uphold and defend the Constitution of the United States of America; to maintain law and order; to foster and perpetuate a one hundred per cent Americanism; to preserve the memories and incidents of our association in the great war; to inculcate a sense of individual obligation to the community, the state and the nation; to combat the autocracy of both the classes and the masses; to make right the master of might; to promote peace and good will on earth; to safeguard and transmit to posterity the principles of justice, freedom and democracy; to consecrate and sanctify our comradeship by our devotion to mutual helpfulness."

Now, I would be very much inclined to doubt the patriotism and loyalty of any citizen, man or woman, who could not subscribe to that declaration of principles. It was certainly a timely declaration.

Let us consider briefly some of its provisions: "To uphold and defend the Constitution of the United States of America."

Do you know, I sometimes think the old document never needed upholding and defending any more than it does at the present time. We have today within the confines of our national boundaries considerable numbers of people who have

neither love nor respect for the old document. They rail against and decry America and America's form of Government; men and some women, parlor Bolsheviks and misguided internationalists, trying to belittle more than a century of such material and intellectual achievements as the world never before experienced, all established, developed and maintained under the beneficent provisions of an instrument pronounced by one of the greatest statesmen of the modern world, and not an American, to be "The most wonderful work ever struck off at one time by the brain and purpose of man."

That old instrument has stood the test for more than a century. It has seen us through periods of stress and trial; through years of prosperity and times of adversity; through wars and then more wars, and did it ever occur to us that no serious effort was ever made to amend the Constitution while a war was on?

Ah, when the days of trial and tribulation have been upon us; when the waves of tumult and threatened disaster have tossed the ship of state, we have clung to the Constitution as sailors cling to the mast in the tempest. True, it may be necessary from time to time to amend it to meet the changed conditions of an age of stone, electricity, gasoline and radio, but when changes are made let it be after careful study and thorough consideration.

"To maintain law and order"—If ever there was a time in the history of America when law and order needed to be maintained, it is now. Last year, we are told, there were more than 11,000 murders committed in America; 14 times as many as were committed in Great Britain; 11 times as many as were committed in Japan, and five times as many as were committed in Canada. That condition should challenge the careful thought of every man and woman in America. In this country we have just such laws and just such law enforcement as the majority of people insist upon having. If laws are not enforced, it is because the majority of the people are indifferent or too much engrossed in their own affairs. And when I speak of law enforcement I am not referring any more to the Eighteenth Amendment than I am to laws generally. The fact of the matter is, there has been, during the last several years, a letting down of the morale of the American people. Our courts and juries are allowing too many criminals to escape, and today the law-abiding citizen, in some communities, is less secure in his person and effects than he was years ago.

One of the cornerstones of a republic is even-handed administration of justice and impartial enforcement of law. These requirements are not being met in some localities in our country, and especially in our large cities.

There is a growing feeling among certain elements of our population that law administration is not impartial; that there is one law for the rich and another for the poor. Of course, such is not the case, but the outcome of numerous trials throughout the country only serves to engender and stimulate a feeling on the part of many people that there is something radically wrong with our system of administering justice. The members of the Legion feel that they obeyed the laws, rules and regulations when such obedience was necessary to win the battles of war, and they now propose in so far as they can to assist in seeing to it that others obey

the laws necessary to win the battles of peace.

We are told that 95 per cent of the people of this country are law-abiding citizens who respect the lives, rights and effects of others and who want to obey the law. If this be true, then the enormous cost and burden of keeping up all our elaborate system of criminal courts and penal correctional institutions is caused and made necessary by 5 per cent of the population. This small minority is made up of those who choose a career of crime for the mere love of iniquity and those who through want of proper homes and home influences are forced into paths that eventually lead to criminal practices. It has been estimated that the detection and attempted prevention of crime and the care of criminals costs us in excess of \$10,000,000,000 per year, a sum equal to all our loans to the Allies during the World War.

The American Legion is doing its share to help remedy this condition. Within the last year and a half we have assumed the task of providing a home for every orphaned child of a World War veteran. This has been made possible through the American Legion Endowment Fund, which is being contributed by the people of the nation. We hope the time is almost here when no child of a Service man will be denied the joys and privileges of childhood or deprived of proper care and culture because its father yielded up his life on a battlefield of the nation. If our children are started on the right path and kept there by home influences during the years of their youth, there will eventually be less criminals and less crime.

"To foster and perpetuate a 100 per cent Americanism"—All over this country there are scores, yes, perhaps hundreds, of organizations doing what they call Americanization work and all doing more or less good, all contributing something to the general welfare. But I sometimes think those who talk a good deal about Americanism are overlooking one of the best Americanizing agencies in the country—and that is the American Legion.

The men who make up the Legion do not need to be told what loyalty means. They learned that in a school where it was taught in a way that no human being who went through the school will ever forget. They learned what obedience to law meant, where violations were followed by speedy discipline.

One of the most important tasks we have in America today is developing into loyal American citizens those of foreign birth or extraction who have come to make this country their permanent home.

The Americanization work carried on by the Legion is of the kind that builds for the future. One of our achievements in this field was the inauguration in 1921 of American Education Week. It is now observed annually under the direction of the National Americanism Commission of the Legion, the United States Bureau of Education and the National Education Association, with the co-operation of more than 150 other national organizations. Statesmen, educators, leaders in every phase of our national life have spoken in the highest terms of the value of the week.

Each year the Legion carries on through its National Americanism Commission a national essay contest in which thousands of essays are submitted by school children between the ages of 12 and 18 years. The first contest was held in 1922. The subjects chosen are such as will lead to study of our country, its Government and its people. Prizes of considerable amounts are given and a very great interest is being aroused. The contest last year produced over 200,000 essays.

Time was when America was an asylum, a refuge, for the oppressed of every nation, and up until quite recently that was true. But there came a time when for our own well-being it was necessary to limit the number of those admitted to our shores.

The American Legion had something to do with the enact-

ment of that legislation, and time is demonstrating the correctness of our position on that question.

The men who compose the Legion know what war is. They have seen it at its worst, and they want no more of it if it can be honorably avoided. But the Legion recognizes that controversies and quarrels between nations are almost certain to arise, and that mere arguments not to have those things happen have been to a large extent futile. For that reason, if for no other, the American Legion advocates the maintenance of adequate forces for internal and external national defense.

America is today the richest nation on earth. Our national wealth, in so far as it can be computed, has been estimated at \$350,000,000,000, a sum so vast that the human mind cannot comprehend it. We are not only the richest nation, but at the present time we are the bankers of the world. The money center has been shifted from London to New York. The civilized world is indebted to America. We are the creditors of the universe, and the frailties of humanity are such that debtors are not especially fond of their creditors. We were one of the Powers least affected by the war—last in and first out after the job was done—and this very fact is even now creating some feeling abroad.

With the most magnificent territorial empire on which the sun shines, with a temperate climate and material wealth far beyond that of any other nation, the United States of America is the richest prize of the ages—the greatest inheritance since time began. It will be ours only so long as the world knows we are ready and prepared to defend it.

The American Legion has no patience with those well-meaning but misguided people who even now are making strenuous efforts to palsy the arm of America and deprive us of the small defense we now have. They shut their eyes to the history of our country and ignore all the experiences of the past. They apparently are willing and anxious to jeopardize all we have gained in the last century and a half if they are only permitted to attempt the creation of an impossible Utopia. They are against and hostile to anything in the nature of national defense; they are opposed to the Army and Navy and would abolish both; they are opposed to military instruction in our schools and colleges, and are just now engaged in a nation-wide campaign to force the Government to abandon such instruction. They set much store by world courts and Hague tribunals, and that is well. But let us remember that neither courts nor tribunals can accomplish the impossible. They cannot change human nature in the space of a few years. They cannot do away with man's cupidity nor quench a nation's thirst for power and dominion when it thinks it is strong enough to win.

Those opposed to any adequate defense dilate upon our isolation and the protecting power of two great oceans, utterly oblivious of the fact that 150 years ago—with the crude methods of transportation then in use—both England and France landed armies on our coast, one to make war upon us and the other to assist us in founding a nation.

What was done then was repeated on a mighty scale just eight years ago, only the ships were sailing east instead of west and were carrying American troops instead of British and French.

So long as the nations of the earth are striving for trade and wealth and commercial advantage; so long as human nature remains substantially as it is; so long as world peace is in the making, it is our duty to assist by sound methods of our own determination in speeding the day when swords shall be beaten into plowshares and spears into pruning hooks and nations shall learn war no more; but, in the meantime, let us have a care and provide the necessary means, such as we now have in the National Defense Act, to make sure that no harm comes to the temple of liberty our fathers have here builded.

A Government by all is entitled to the service of all, and

In a national emergency that service should be rendered for a reasonable compensation. Why should any citizen be permitted to make vast profits out of the exigencies of the nation?

To prevent such profiteering should another great emergency arise, the American Legion has sponsored and will endeavor to have enacted into law the so-called universal draft bill.

Under the provisions of this bill, in the event of another national emergency declared by Congress to exist, the President is authorized to determine, proclaim and control the material resources, industrial organizations and services over which Government authority is necessary to the successful termination of such emergency.

The President is also authorized to take such steps as may be necessary to stabilize prices of services and of all commodities declared to be essential, whether such services and commodities are required by the Government or by the civilian population.

The American Legion is very much of the opinion that should we be forced into another war, it should produce neither slackers nor profiteers; that the resources of the nation in man-power, material and money should be contributed to the common cause, with less thought to profit and more to loyal, devoted, conscientious and painstaking services to the Government. In other words, the American Legion sponsors a bill to take the profit out of war and thereby make the recurrence of war less probable.

"To consecrate and sanctify our comradeship by our devotion to mutual helpfulness." It was not until the Legion took up the task that the real plight of the wounded, sick and disabled, the wrecks of war, was disclosed and a beginning made in the mighty task of providing care and rehabilitation for those who gave the most.

The fact that the disabled American soldier of the World War is now receiving, or is about to be furnished, the medical care, skilled attention and financial assistance that the citizens of the republic have decreed should be his is the one outstanding triumphant accomplishment of the American Legion. Of all the mass of legislation enacted during the past six years for the benefit of the wounded and disabled, practically every line was sponsored by the Legion.

During the past year the Legion inaugurated and has carried almost to completion an enterprise never before attempted by a veteran organization of America or any other land, so far as I am aware. I refer to the \$5,000,000 American Legion Endowment Fund for the benefit of the disabled and the widows and orphans of Service men. This fund stands as a tribute to the liberality and appreciation of the people of the nation. It is a perpetual denial of the statement that "republics are ungrateful."

\$3800 a Front Foot for Columbia, S. C., Property.

Columbia, S. C., May 5—[Special.]—A new high price per front foot for Main street real estate was set last week in the purchase by the Bon Marche department store of the three-story brick building at Main and Taylor streets, now occupied by the Bon Marche and others. The purchase was made from the Aetna Holding Co. The consideration was \$195,000, an average of \$3,823.53 per front foot.

This is the highest price ever paid per front foot for property in Columbia, and is also believed to be a record for South Carolina. The former record for Columbia property was \$3000 per front foot. This was set in April, 1925, when the McCreery-Pressley Real Estate Co. sold for the National Loan & Exchange Bank the old Merchants Bank Building.

Henry W. Haynes, proprietor of the Princess Issena Hotel, Daytona Beach, Fla., announces that he will build another hotel in the neighborhood of the Princess Issena.

Florida Fights Inheritance Tax.

Permission to file a bill to test the Constitutionality of the Federal Inheritance Tax law has been granted by the Supreme Court of the United States to Florida, through Attorney General John B. Johnson, who avers that this levy is an invasion of the sovereign right of Florida to pursue its own course in imposing taxes. In an accompanying petition, Attorney General Johnson explained that his bill is designed to enjoin the Secretary of the Treasury and other officials from undertaking to enforce the collection of estate or inheritance taxes, as imposed in the new Revenue Act.

First stating that the action is taken at the instance of Governor Martin, Attorney General Johnson's brief adds that the new estate tax provision in a measure nullifies the Constitution of Florida, which prohibits the enactment of laws levying estate, income and inheritance taxes. It adds that the estate tax is an unwarranted action taken not by the Federal Government, but by agents of the United States presented through Congress.

"Imposition of such taxes," continues the brief, "violates the Federal Constitution and undertakes to take away from the state of Florida and states in like situations their sovereign power. It is an undertaking by other states in the Union to either coerce the state of Florida into levying an estate tax or to put the state of Florida on a parity with other states collecting taxes on estates.

"The Constitution of the United States has left it to the several states to raise the revenue necessary to pay the expenses of state governments in whatever manner the several states elect to adopt, except that no state, without the consent of Congress, lay any duties on imports or exports. Nor are the states allowed to burden interstate commerce or Federal agencies by taxation, unless the same is done by the direct consent of Congress. Each state passes such revenue laws as it in its judgment, good or bad, deems fit and proper. Neither the Congress of the United States nor any other authority should undertake to direct or coerce any state into adopting or using any particular method or process of imposing taxes upon any particular business or class of persons or property.

"The state of Florida is a unit among the states of the United States. She has equal rights with every other state of the Union. When her sovereign rights are attacked or affected by Federal legislation, the Constitution of the United States gives her the right to protect herself in this court."

In effect, the state claims that the Federal Inheritance Tax law violates Section 8, Article 1, of the Federal Constitution, in that the Constitution of Florida contains a clause, adopted in November, 1924, providing that "no tax upon inheritance or upon the income of residents or citizens of this state shall be levied by the state of Florida, or under its authority, and there shall be exempt from taxation to the head of a family residing in this state household goods and personal effects to the value of \$500," and so on.

\$934,000 of Bonds for Elizabeth City Improvements.

Elizabeth City, N. C.—Following a conference here with Chester B. Masslich, a bond attorney of New York, the city council has decided to issue bonds in the amount of \$934,000 for various improvements. The largest item is one of \$480,000 for water extension and improvements, plans in this connection calling for a new filtration and pumping plant and for the completion of improvements now under way. Other items include \$32,000 for storm sewers, \$110,000 for sanitary sewers, \$7000 for street widening and extension and \$305,000 for street improvements. W. C. Olsen is the city engineer.

Work in Richmond for Industrial Development Which Should Be an Inspiration to Other Men and Other Communities.

Richmond, Va., June 1.—Can a one-man organization, independent of other agencies, succeed in becoming a tremendous industrial force in a large-sized Southern city? That it can succeed has been evidenced by the recent achievements credited to A. L. Adamson, prominent banker, industrialist, realty operator and optimist of Richmond. Resulting from the aggressive campaign of Mr. Adamson in the interest of a greater manufacturing city, more than \$3,750,000 capital has been invested in building, ground and equipment on the south side of Richmond, and not less than \$250,000 on the north, or retail, side of the city. In addition to the above accomplishments, Mr. Adamson's organization is negotiating with manufacturers who easily represent \$2,000,000 of additional capital awaiting to go into industry.

But none of this has come from a hit-and-miss system. Not an industry is credited to the Adamson organization as a consequence of claims that could not stand the strictest scrutiny. Himself a successful man of affairs, a banker, Mr. Adamson recognized that the investments of a large amount of capital involved responsibilities both on the manufacturer and promoting spirits. He has proceeded cautiously, conservatively and with rare tact in negotiating with people interested in such lines as he himself would be willing to risk his judgment and means upon. In surrounding himself with the heads of his various departments he has first eliminated from their minds that any plant located in Richmond by the Adamson organization was "the other fellow's funeral." With facts as the basis and the speculative features handled very conservatively, investors come to Richmond thoroughly sold and know reasonably well what to expect.

How can a one-man industrial organization succeed? Mainly by preparation. In the beginning Mr. Adamson realized that in many instances reputable manufacturers, in moving to a new location, might require financial assistance. He therefore organized a subsidiary financing concern for the purpose of co-operating with worthy firms or corporations. He whipped into being a land-holding corporation which acquired desirable sites on railroad sidings and other strategic points that could be held and sold to prospective manufacturers at reasonable prices, thus eliminating the "land hog" which infests many industrial communities.

Eighteen manufacturing plants have located on the south side of Richmond, through the Adamson organization. Seven large distributing depots have been established, three by nationally known concerns. Hundreds of men and women have been given year-round employment. More than \$10,000,000 in manufactured products are annually sent from these plants to consuming territories, mainly the South Atlantic states.

Feeling that Richmond is the logical point for the manufacturers of the lighter weight of textiles, such as women's wear, hosiery and silk products, the Adamson organization is now proposing to construct a modern five or six-story loft building, fireproof, 200 by 200 feet, with elevator equipment, rest rooms, railroad sidings, loading platforms, restaurant privileges and other conveniences, provided sufficient numbers of manufacturers of these articles can be persuaded to locate in Richmond for better command of the South Atlantic and Gulf states. It is proposed that this building shall be so flexible as to accommodate manufacturers whether they require large or small areas. The investment, if carried through, will involve something like \$350,000.

In the new industries established under the Adamson system of location are those manufacturing commercial biscuits and cakes, coffees and teas, pressed metal and iron products, building materials, commercial paper and paper boxes, steel laths and bars, mirrors, tobacco products, trunks and bags,

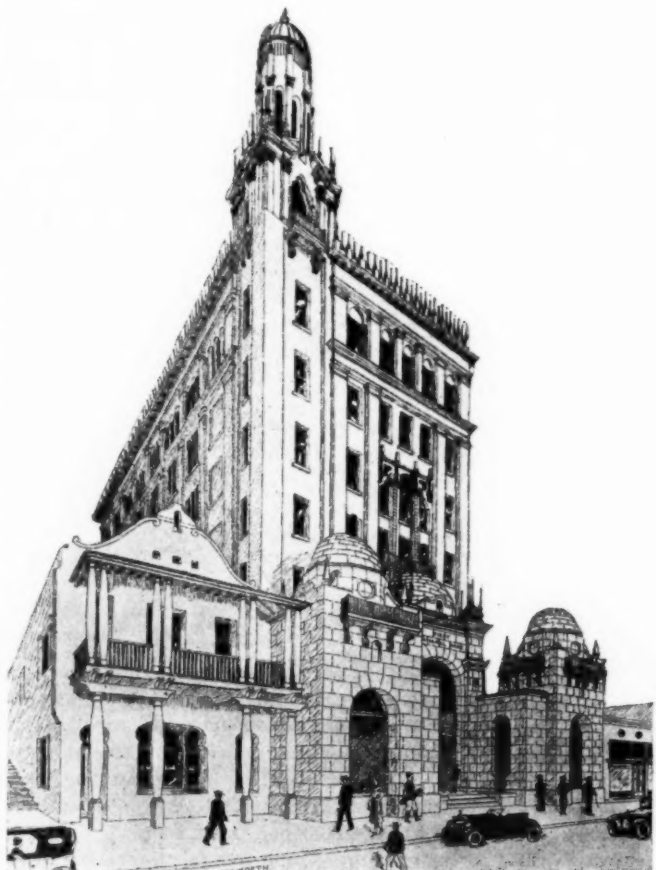
cement tile, wood boxes and crates, leather and tin foil. These do not include the long list of products manufactured elsewhere and shipped here in carload lots for territory distribution.

"There is no reason why any live realtor who enjoys the confidence of capital should hesitate to go right ahead in telling the world what the South has to offer in the way of industrial opportunities," says Mr. Adamson. "I estimate that plants located in Richmond have the edge in a territory representing 13,000,000 people, certainly an advantage over the manufacturer of like products who may be located in New England or the Middle West.

"We have the raw material, the electric power, cheaper coal, lower transportation cost to South Atlantic and Gulf territory, a surplus of labor, both white and black, men and women, longer working hours, a twelve-month working year, better living conditions and lower living cost. These advantages mean that the industrial empire of the North American continent eventually will embrace that territory east of the Blue Ridge Mountains in closest touch with Atlantic ports, and south to deep water at Mobile and New Orleans and on out to Texas."

Erecting \$500,000 Bank Building at St. Augustine.

Construction is in progress on a new \$500,000 building at St. Augustine, Fla., for the First National Bank of that city, general contract for the structure having recently been



FIRST NATIONAL BANK BUILDING BEING ERRECTED AT
ST. AUGUSTINE.

awarded to the W. P. Thurston Co. of Richmond, Va. The building will be five stories with towers. Banking quarters will be provided on the first floor, while each of the upper floors will contain 16 offices for rental purposes. F. A. Hollingsworth of St. Augustine is the architect. J. D. Puller is president of the bank.

The South's Agricultural Conditions Discussed.

[The discussion of the agricultural situation of the South begun some weeks ago is continued in this issue. Other articles of special interest are now in hand and will appear shortly. Great interest is being aroused throughout the South in this discussion.—Editor Manufacturers Record.]

The Agricultural Situation in Virginia Shows That Improvement Is Under Way.

Commonwealth of Virginia.

Governor's Office.

Richmond, April 29.

Editor Manufacturers Record:

I have received and noted with much interest your letter of April 20, with enclosure. For the purpose of participating in this discussion I referred the same to our director of the state extension service, and I attach his letter in reply, which I hope will contain some suggestions worth considering.

It is always a pleasure to hear from you.

H. F. BYRD.

[Copy]

Co-operative Extension Work in
Agriculture and Home Economics.

State of Virginia.

Blacksburg, Va., April 26.

Hon. H. F. Byrd,

Richmond, Va.

Dear Governor Byrd:

I have your letter of April 23 enclosing some correspondence between Mr. D. R. Coker of Hartsville, S. C., and Mr. Richard H. Edmonds, editor of the MANUFACTURERS RECORD. I note that you will appreciate a statement from me in regard to the subject under discussion, and take pleasure in sending you such a statement herewith.

I am greatly interested in this subject and have a high regard for Mr. Coker's opinion, as he is one of the leading thinkers along agricultural lines in the state of South Carolina. However, our conditions do not entirely parallel the conditions mentioned by Mr. Coker as existing in other Southern states and I am rather doubtful whether the remedy suggested by him is the most practical one. However, I shall first mention, briefly, the agricultural conditions now existing in Virginia and then discuss Mr. Coker's proposed remedy along with other suggestions.

A statement just given out by the Department of Commerce shows that during the past five years there has been an increase in both the number of farms and the number of land-owners in the state of Virginia. The census of 1920 showed that there were 186,242 farms in Virginia, 136,363 of which were operated by owners, while the census of 1925 showed that there were 193,723 farms in Virginia, 143,587 of which were operated by owners. During this period the per cent of farms operated by tenants decreased from 25.6 per cent to 25.2 per cent. In this connection it may be interesting to note that during the same period the number of farms operated by tenants in North Carolina increased from 43.5 per cent to 45.2 per cent, and in South Carolina from 64.5 per cent to 65.1 per cent.

During the past five years there has been a considerable decrease in the number of acres planted to certain crops in Virginia, as well as a decrease in the total number of certain classes of livestock. However, this is just what should have happened, as the farmers of this country had produced a greater quantity of these types of crops and livestock than the world's markets would take up at a profitable price. A study of agricultural statistics for Virginia will show that instead of a deterioration in crop production during the past 30 years there has been a steady development, both in the number of acres and yields per acre.

In 1890 the total population of Virginia was 1,655,980, 82 per cent of whom were classed as rural and 18 per cent as urban. In 1920 the total population of Virginia had grown to 2,309,187, 70 per cent of whom were classed as rural and 30 per cent as urban. In spite of this decline in the percentage of rural population we find that our farmers by practicing better methods of production have greatly increased their crop yields. Let us take a few of our leading agricultural products and see what has been accomplished.

Figures secured from the Division of Agricultural Statis-

tics show that in 1899 Virginia farmers produced 2,410,000 bushels of white potatoes, which was only 37 per cent of the amount needed to feed our own population, but in 1919 Virginia farmers produced 12,263,000 bushels of white potatoes, which was 152 per cent of the amount required to feed our own population. During these 30 years the average yield per acre increased from 69 bushels to 108 bushels.

In 1899 the total wheat production in Virginia was 6,300,000 bushels, or 61 per cent of our state's requirements. In 1919 our Virginia farmers produced 11,446,000 bushels of wheat, or 88 per cent of our state's requirements. During these 30 years the average yield of wheat per acre increased from 8.4 to 12 bushels.

In 1899 Virginia farmers produced 50,000,000 pounds of peanuts, or 415 per cent of the state's requirements. In 1919 they produced 164,220,000 pounds of peanuts, or 1094 per cent of the state's requirements.

From 1888 to 1892 Virginia farmers planted an average of 113,000 acres of tobacco, with an average yield of 571 pounds per acre. From 1919 to 1923 Virginia farmers planted 210,000 acres of tobacco, with an average yield of 660 pounds per acre. During this same period cotton increased from 38,000 acres, with an average of 149 pounds per acre, to 49,000 acres, with an average of 254 pounds per acre. The average yield of corn increased from 16.9 bushels per acre to 28 bushels per acre.

In 1899 the production of chickens by Virginia farmers was 128 per cent of the state's requirements. In 1919 this had increased to 136 per cent. Similarly, in 1899 Virginia farmers produced 731,000,000 pounds of milk, or only 43 per cent of the state's requirements, while in 1919 the production was 954,000,000 pounds, or 45 per cent of the state's requirements. Since 1919 the production of dairy products has increased very rapidly, and it is estimated that our production at the present time is considerably over half of the state's requirements.

It can be seen from the above figures that although there has been a considerable decrease in the number of people living on farms in Virginia during the past 30 years, those left on the farms have increased their efficiency very rapidly. By the use of better seed, better methods of fertilization, better methods of cultivation, better methods of insect and disease control and better machinery they have increased their yields per acre and total production to the point where the 70 per cent living on the farms produce more than the 82 per cent who lived on the farms 30 years ago. Information worked out by our experiment stations and furnished the farmers through their county agents has undoubtedly played a very important part in increasing this efficiency of production.

However, in spite of these increased yields per acre and the increase in individual efficiency of our farmers, the past five-year period has been the most serious period in the history of the agriculture of this state. Virginia farmers have not suffered as much as the farmers in some other states and sections, due to the increased efficiency mentioned above, coupled with the diversity in our agriculture and our nearness to the centers of consuming population, but in spite of these advantages a great many of our farmers have gone to town during the past five years and there has been a considerable increase in the mortgage indebtedness of those remaining on the farms.

The chief cause of the unprofitableness of agriculture in Virginia during the past five years and the consequent dissatisfaction with the same has been the low purchasing power of the farmer's dollar. This is not only true of Virginia but of the whole United States. Figures compiled by the Bureau of Agricultural Economics show that the purchasing power of the farmer's dollar, which was \$1.05 in 1919, had dropped to 69 cents by 1921, and since that time has not averaged over 89 cents for any one year. During the past month the relative purchasing power of the farmer's dollar, in the terms of all other commodities, was only 87 cents.

In the opinion of the writer, the principal causes of this low purchasing power of the farmer's dollar are as follows:

1. Inability of the European markets to take up our surplus agricultural production at profitable prices.
2. Inability of farmers to quickly adjust production to consumption, due to the slow turnover inherent in all agricultural enterprises.

3. Special advantages given other classes through tariff, restricted immigration and other artificial protections.

4. Lack of strong business organizations among farmers themselves.

I shall not attempt to discuss here the part played by each of these factors, but will simply state that the last one mentioned is by far the most important.

If the above analysis of the agricultural situation is even approximately correct I cannot see how Mr. Coker's colonization scheme will correct it. I have heard Mr. McKrae discuss the colonies developed by him near Wilmington, N. C., and if I understood him correctly he stated that such colonies had to be heavily subsidized by the Government or some private agency for a number of years, and that they could not be worked successfully with native Southern-born farmers. If this is true, I cannot see where they have much to offer to us here in Virginia. Mr. Coker's argument is that they serve as demonstrations, but if the demonstrations are not successful except under artificial conditions their value would seem very problematical.

The writer's experience during the past five years leads him to believe that the greatest hope of improving agricultural conditions in Virginia and the rest of the South is by the fostering of an increasingly strong educational program among farmers by the state and Federal governments and the organization of strong co-operative commodity marketing associations among farmers themselves. It is recognized that both of these are slow remedies, but if they will eventually meet the problem they are what we should concentrate on, rather than temporary, artificial expedients which are economically unsound.

At the present time co-operative marketing is a much used but a much misunderstood term, but in spite of the tremendous difficulties which our Virginia farmers are having to overcome in learning it, a little study will show that in the sections in which it has been practiced during the past five years our farmers, as a whole, have been more prosperous than in the sections where it has not been practiced. Our truck growers, milk producers and tobacco growers have been practicing co-operative marketing on a large scale, not only in Virginia but throughout the United States, and in spite of strenuous opposition from the outside and many internal difficulties the co-operative associations for the marketing of these products have done much to maintain prices at fairly profitable levels. A study of the relative purchasing power of these commodities will prove this statement.

With best wishes, I am,

Yours very truly,
JNO. R. HUTCHESON, Director.

Home Markets in North Carolina Beneficial to the Farmers of That State.

North Carolina Department of Agriculture.

Raleigh, April, 27.

Editor Manufacturers Record:

I have your letter containing enclosure from David R. Coker of Hartsville, S. C. I have read Mr. Coker's communication with considerable interest, and I am sure that he outlines South Carolina conditions rather faithfully. However, while the tenant farmer in North Carolina is, in a way, hard put to it, I am unable to find conditions here nearly so dismal as Mr. Coker evidently finds them in South Carolina and some other Southern states.

North Carolina, as you know, has a large number of medium-sized, growing cities scattered all over the state, from Asheville to Beaufort, and from Elizabeth City to Wilmington, which furnish our farmers who happen to live near these cities an excellent local market throughout the year. Other Southern states are not so fortunate in this respect as North Carolina.

Of course, we have our poverty complexes as well as other Southern states, but for the last few years we have been, we feel, making some headway in relieving the situation for our farmers by helping them find a market for their surplus products. We are in no way boasting, because we have a great deal yet to do; but the outlook is so hopeful that we are inclined to be optimistic rather than to take the opposite view of the farming situation.

WM. A. GRAHAM, Commissioner.

Mr. Yoakum on the Agricultural Situation.

B. F. Yoakum,
17 East 42d Street.

New York, May 27.

Editor Manufacturers Record:

I have read the article by Dr. Andrew M. Soule, president of the Georgia State College of Agriculture, carefully and with much interest. It is chock full of splendid information.

In the same issue of the MANUFACTURERS RECORD I have read the article by Courtenay De Kalb, which is also interesting and contains much information of value.

I find in the MANUFACTURERS RECORD of May 27, under "How Shall We Solve the Problem of Agriculture?" a splendid article by J. W. Rader, civil engineer, of Lewisburg, W. Va., commenting upon the work of the MANUFACTURERS RECORD, which confirms our belief that the public is becoming so greatly interested in agriculture that Congress will have to enact a law affecting agriculture based upon fundamental principles.

The intelligence of this country will not stand for any law that places the establishment of rules and regulations by the Government affecting the production of our foodstuffs and its distribution—that is the work for the farmers to do.

B. F. YOAKUM.

A Farmers' Luncheon Club in Texas and Its Good Work.

By JACK HOWERTON, Business Manager, Cuero (Texas)
Daily Record.

If the business and professional men find weekly gatherings around luncheon tables in service clubs like Kiwanis and Rotary beneficial, why should not the farmers?

At least this is what progressive farmers of the Cuero territory thought, and so they got together and formed the Farmers Luncheon Club, recognized and chartered by the state of Texas, and believed to be the only organization of its kind in existence. That their efforts are proving worth while is evidenced by the establishment in this city of a new \$35,000 creamery, planned, promoted and, to a large extent, financed by this progressive group of farmers.

The Farmers Luncheon Club of Cuero was the idea of Oscar M. Lander, former DeWitt county farm agent, and it was largely through his efforts that the club was organized in April, 1923. After more than three years the club is still functioning, and weekly meetings are being held in the dining hall of the City Hotel each Thursday evening. At these meetings various farm problems are discussed, members tell of their own experiences in the growing of certain crops, ideas are exchanged, marketing problems are thrashed out and the best way to pack grade products for the market are pointed out, in the way of educational work, by the county farm agent and wholesalers and produce men who are invited to address them on various occasions.

A few business men have also been admitted to membership, e. g., a feed manufacturer, a wholesale seed dealer, a cotton-gin operator, men whose dealings are almost entirely with the farmers. As a result, the farmer and business man are brought to a better understanding for the mutual benefit of all.

Attendance is good at these meetings, membership has shown a substantial increase, and the farmers have set a splendid example for business men in the way of actual accomplishments. Greatest of these, of course, is the new Crescent Valley Creamery, established almost entirely through efforts of the farmers. It all came about in this way: The Cuero Chamber of Commerce, in sponsoring a move for the establishment of more industries, asked the various luncheon clubs of the city to co-operate. The farmers decided to do

even better, and they set to work to actually put one over unaided.

Realizing the natural advantages offered the dairy farmer in the Cuero territory, which includes the fertile Guadalupe Valley section, and realizing the advantages to the community of an all-year cash market for dairy products, they decided upon the establishment of a creamery. Their first move was to get in touch with an experienced operator. They found their man in J. E. Wayne, who had just recently disposed of his interests in a plant at Corpus Christi. He came to Cuero, was impressed with the advantages of the territory and the enthusiasm of the Farmers Luncheon Club, and agreed to take half of the amount of capital stock and to assume active management, provided the club would dispose of the balance. This was immediately done, most of the stock being purchased by club members or their rural friends, and less than four months later the plant was in operation. The Crescent Valley Creamery is a sweet-cream plant, modern in every respect, and is now engaged in the production of high-grade ice cream and butter, and has established milk routes for the distribution of pasteurized milk to homes in the city.

But the work of the Farmers Luncheon Club did not stop with the establishment of the creamery. They are now engaged in the stocking of the territory with purebred dairy cattle. Since construction of the plant began more than 500 registered Jersey cows have been shipped into this section, and these are being sold to farmers on easy-payment plans. Local banks are helping the club finance these deals. With the number of dairy cows already here, it is estimated almost 1000 are now supplying the local plant, and the Farmers Club plans to increase this number, within the next few years, three or four times.

The Cuero Farmers Luncheon Club was formed as an experiment, but its experimental days are over, and it has proven very much worth while. The Cuero territory, which has already become famous for its turkeys and poultry through its internationally known "Turkey Trots," bids fair to become one of the dairying centers of south Texas, because it has the world's only Luncheon Club composed of farmers. Charter number 1 has been granted the organization by the state of Texas, and there is every reason why the movement should spread in this and other states.

Getting Alabama Farm Products to the Consumers*.

By LEROY HOLT, Purchasing Agent, Tennessee Coal, Iron and Railroad Company.

[This movement in Alabama should stimulate the same kind of work in every other Southern state.—Editor Manufacturers Record.]

In considering the matter of getting Alabama farm products to the consumers, we must consider the agencies that are involved. In the first place, I have been forcefully reminded that the farmer is a producer and is not a merchant, either wholesale or retail; neither is he engaged primarily in the matter of transportation. To successfully market his products he is, however, dependent upon transportation and distribution, either wholesale or retail.

It makes little difference who handles the matter of transportation, so long as that necessary service is most economically rendered, but it probably can be best rendered by some agency whose principal business is transportation, for this service must be regular, reliable and economical. If the farmer undertakes to render this service himself, he should take into consideration the cost and the time he is taking from his principal business of producing farm products.

Through wholesale distribution a larger distribution can be maintained; more care in grading can be exercised; better protection can be given to the products, and usually much better average price to the farmer is the result. To illustrate:

There is in a certain city in this state a wholesale produce exchange, composed of six wholesale dealers. These dealers have built, jointly, a modern plant for assembling, storing and distributing produce, poultry, eggs, etc. Nearby farmers can deliver their produce by truck to this exchange, in bulk, and receive cash payment for it, returning to their farms without spending valuable time peddling their produce from house to house or store to store. The wholesaler can grade and deliver to retail merchants, or pack and ship to distant markets when local markets are glutted, the produce being so assembled. Through co-operation between the retailer, wholesaler and producers, I believe the farmer can receive more money and the ultimate consumer, over a period of months, will pay less money for produce intelligently and economically marketed if the great waste occasioned by the glutting of markets when local produce is plentiful is eliminated.

The retail merchant can do much in the scheme of things

*Address to the Alabama Junior Chamber of Commerce Conference, Mobile, April 29.

if he, first, insists upon Alabama farm products; second, co-operates with the wholesaler and producer in putting on the retail market the kinds and grades of produce demanded by the consumers. The retailer usually attempts to handle goods that his customers cannot obtain elsewhere; therefore, when local produce is on the market, obtainable by the consumer direct from the producer, the retail merchant will not offer it for sale, but will have many substitutes. If the farmer attempts to render to himself the service of transportation, wholesale and retail distribution, some one pays for this service. It is high time the regularly established commercial agencies prove to the farmers and the consumers that they really have a place in the economical order of things.

I am speaking as a retailer, for my department operates the stores we maintain for the welfare and convenience of our employes. I am tremendously interested in establishing dependable and nearby sources of supply, and I believe the consumers in the great industrial district of our state should consume the products of our nearby agricultural districts. Our president, Mr. George Gordon Crawford, is so much impressed with the possibilities that he has challenged me to put forth every reasonable effort to increase the consumption of Alabama farm products in the industrial district.

Now, without reviewing how this movement started, for we are not here to pat ourselves on the back or praise the farmer for his noble efforts, but to try and understand more clearly, as business men, how we can help the farmer work out his own salvation, I am going to give a few concrete examples of what might be done, so you young men of the Junior Chamber of Commerce in your several cities may definitely set about to study this question with a view to enabling the farmer to get what he is entitled to for his labor, and at the same time reduce the cost of living to the public by eliminating waste of time and materials.

The first product we considered in our program was hay. Mr. Crawford was informed that the farmers in the Black Belt had a surplus of hay, with no market. Wholesalers had stated to me that they could not procure Alabama hay properly cured and graded. Our veterinarian, Dr. M. F. Jackson, was asked to investigate and report. We were

feeding our mules Western alfalfa, but Dr. Jackson found that we could obtain Alabama Johnson grass hay of suitable grade through the Alabama Farm Bureau Federation Hay Association, and from that we began to obtain Alabama hay. It was necessary for a concern such as ours to confine our dealings to a concern that could be depended upon to furnish hay of the desired quality and as needed; therefore, we chose the Alabama Farm Bureau as our source of supply of hay.

We also found that dairy products could be procured in satisfactory grade and quantities from Alabama creameries, but we could not depend upon these small creameries, located some distance from Birmingham, for our requirements of butter. The matter of transportation was vital. Therefore, we instructed the wholesale distributors to deliver to us Alabama butter instead of butter made in some distant state, although we had a good trade on butter produced in a distant state. When we started using Alabama butter, we found one creamery with a surplus of 30,000 pounds on hand. Since then we have been told by that creamery that it cannot today supply the demand. We also instructed the ice-cream people to furnish ice-cream made from Alabama milk; and the milk dealers were instructed to obtain our supply of milk from Alabama. The problem of obtaining Alabama milk is the problem of the producer of the ice-cream and the milk dealers.

The question of eggs was given considerable thought, for small producers from all over the state were asking us to buy their eggs in small quantities. This, of course, was out of the question, but we insisted upon the Birmingham egg dealers furnishing us Alabama eggs, and a movement was set on foot through the extension service at Auburn and the county agents to assist the farmer in disposing of their eggs. The eggs had to be assembled in large quantities and graded. I am informed that the Alabama Farm Bureau added this commodity to its list, and is now storing Alabama eggs for consumption next winter. When they started their activities in Baldwin county, I understand the farmers were receiving 18 cents a dozen, and almost immediately the price jumped to 25 cents. The retail price in the cities at the time was from 30 to 35 cents. I also understand that eggs can be handled by large wholesale dealers to large retail customers at 2 cents a dozen handling cost.

Dr. Jackson found in one of our northern counties a surplus of 50 cars of corn and arranged with a Birmingham manufacturer to loan the community a sheller in which this corn could be shelled without shucking, and this manufacturer is going to buy the entire lot of shelled corn.

We were informed that Alabama did not produce cattle that would compare in quality with Western beef; but I am glad to inform you that we discovered within the state, and purchased through a Birmingham packing house, 164 head of as fine cattle as are raised anywhere, and I am informed that the producers of these cattle received top prices, because they were sold in competition with Western beef. Therefore, if Alabama cattle raisers will produce cattle equal in quality to those produced elsewhere, they will find a ready market for them within the borders of our state.

As business men, you can understand why we cannot handle through our stores canned goods packed by canning clubs, but commercial canning factories can be established in communities where large quantities of vegetables suitable for canning can be and are being produced. Such a factory can undertake to ascertain just what packs are required by retail trade, and the farmer can dispose of his vegetables in large quantities. I am informed that 400 carloads of spinach were shipped from Austin, Texas, last season. This did not happen by accident.

To illustrate: Our attention was called to the fact that the overalls we were handling, which were made in Alabama, were made out of denim manufactured in some other

state, and when we called the overall manufacturer's attention to this fact he arranged to procure satisfactory Alabama denim made out of Alabama cotton. When we came to consider the purchase of underwear for next winter's requirements, through the local jobbers, we got in touch with Alabama manufacturers, and by co-operating we develop a satisfactory garment, made within the state, out of Alabama cotton.

I have not scratched the surface of this subject; but I want to emphasize the fact that if Alabama farm products are properly graded and marketed they will find their way to the best markets, and it is up to the already established commercial agencies to perform this service satisfactorily to the producers and consumers, or other agencies will, of necessity, be established.

Fertilizer Association Convention Topics.

White Sulphur Springs, W. Va., June 7.—The annual convention of the National Fertilizer Association opened here today, to continue through Thursday, with Secretary W. M. Jardine of the Department of Agriculture scheduled to speak on "The Outlook for Agriculture." Several other prominent speakers are slated to discuss questions of public interest, such as Muscle Shoals and the most recent development in processes for fixation of nitrogen from the air. This subject will be covered by Dr. Harry A. Curtis, professor of chemical engineering at Yale University, who was a member of the Muscle Shoals Inquiry appointed by President Coolidge. George R. James of Memphis, member of the Federal Reserve Board and an extensive cotton grower, will discuss the forward trend of agriculture in the South in a speech entitled "Some Fundamentals of Successful Farming." E. L. Robins, vice-president of the association and president of the Meridian Fertilizer Factory, Meridian, Miss., will speak on "Business Problems of the Fertilizer Industry." Spencer L. Carter of the Virginia-Carolina Chemical Company, Richmond, and president of the National Fertilizer Association, will open the meeting with an address and will preside.

Other speakers will be Dr. P. C. Hoffman, Virginia-Carolina Chemical Company, on "The Development of Sulphuric Acid Manufacture and Its Relation to the Fertilizer Industry"; B. A. McKinney, F. S. Royster Guano Company, Norfolk, chairman cost accounting committee, on "Cost Accounting for Manufacture of Sulphuric Acid and Acid Phosphate"; J. C. Pridmore, director, Southern Division, on "The Goal of Fertilizer Consumption in the South," and the subject, "Two Million Tons of Fertilizer for North Carolina," will be handled by W. F. Pate, agronomist in charge, Raleigh, N. C., office of the soil-improvement committee.

\$10,000,000 to \$12,000,000 Georgia Peach Crop Beginning to Move to Market.

Atlanta, Ga., June 7—[Special.]—With 27 cars of May-flower peaches already packed, opening prices on the crop ranging around three dollars a crate and the crop in sight for the year estimated now at 17,680 cars, it is expected that the peach crop of Georgia will bring in between ten and twelve million dollars this year.

The fruit has been ripening slowly and evenly, and indications are that ripening will be extended over a normal period. There are 379 cars of Uneddas and 491 cars of Early Rose in sight, which will start moving to market this week. The Hileys, which will start moving on or about June 17, will produce 3454 cars, it is expected, and there are 1916 cars of Georgia Belles and 6233 cars of Elbertas in sight, which will be marketed between June 28 and July 20.

The crop of Elbertas is unusually large this year. But they will ripen over a period of six weeks.

The Great Possibilities in Southern Lands for Diversification of Agriculture.

[The people of the North and West have never fully understood the agricultural potentialities of the South. They have thought of the South, especially the central South, in terms of cotton, and have had but little appreciation of what can be done in diversified farming in the South. One illustration of this is given in the following interesting letter from Mr. Raymonde Stapleton, an attorney of Elberton, Ga., who in referring to the discussion now under way as to the agricultural situation in the South, sends us the following extremely interesting letter and cuts accompanying it.—Editor Manufacturers Record.]

Raymonde Stapleton,
Attorney-at-Law.

Elberton, Ga., May 25.

Editor Manufacturers Record:

I cannot refrain from writing you in commendation of your efforts in behalf of Southern agriculture. I get a new thrill from your magazine every time an issue comes out. I have, of course, enjoyed the articles with regard to the South's industrial development, but believe these articles on our agricultural resources appeal to me even more.

If there is anything that is misunderstood, I think it is the lands of the South. The article in your recent issue quoting from a letter by Craddock Goins is one of the most timely, and to me one of the most interesting, things it has been my pleasure to read.

I had the facts Mr. Goins mentions brought home to me most impressively a few days ago. A real estate man from Illinois came here to investigate the value of a tract of land a negro owns and is trying to sell. The negro went to

would also grow tobacco and cotton. I cannot forget his expression when he asked me not to "kid" him.

When I saw his doubt was honest, I asked him to ride with me a few minutes, and I drove him out to a farm a few miles from here. On that farm I showed him a pecan grove, a home orchard with peaches, apples, pears, plums, berries, cherries, figs, apricots and grapes. On the same farm I showed him cotton and corn up and growing. Also, he



CUTTING ALFALFA IN ELBERT COUNTY ON APRIL 29.

Illinois when the boll weevil arrived. The real estate man called upon me and asked me to give him my frank opinion as to the market value of this tract. I told him the land would not sell today for more than \$10 or \$15 an acre. He could not understand how good land could sell for such a price. He wanted to know whether the land was any good, and I told him it was as good as there is in the state or in practically any other state. It does happen to be an exceptionally good piece of land, but is in a neighborhood formerly occupied almost wholly by colored people, and most of them have left, leaving no market for this land. He next asked as to the tax rate. I informed him that property is assessed on a 40 per cent valuation, and the rate is \$1.75. The gentleman's next question was "What will such land grow?" I told him it would grow corn, oats, wheat, barley, rye, alfalfa, crimson clover, sweet clover, Japan clover, vetch, peaches, pecans, apples, pears, berries, melons, any of the truck crops, cane, peas, soy beans, practically any of the grasses, and



A FIELD OF ALFALFA IN ELBERT COUNTY, GA., MAY 1, 1926.

stood there in wheat and oats from waist to shoulder high, and in rye nearly as high as he could reach. A little farther on he stood in alfalfa up to his thigh, and saw cows grazing in burr clover knee high, and others in crimson clover and vetch nearly waist high. Sweet clover was growing in another place luxuriantly and had never had a dust of lime



OATS AND VETCH IN ELBERT COUNTY MAY 1.

on it. Over in the gardens he saw beans, peas, onions, cabbage, melons, beets, and various vegetable and truck crops. Beyond still on the same farm he saw sorghum cane and millet growing, and in the pasture was bermuda and dallis grass with lespedeza just coming up. All this by the first of May.

To sum it up, he simply became enthusiastic. He said he

knew of dozens of good farmers in the cold North that would come here immediately if they could just believe such crops could be grown on this cheap land with taxes so low. He said he had been under the impression, and that the farmers up there believe, this land will not grow feed for livestock, and to his amazement he had found here crops of grain as good as he has ever seen on the richest fields of Illinois.

There is no doubt that we can grow these feed crops. This section can grow alfalfa with ease. We have 40 farmers in the county now growing alfalfa, and some of it was 49 inches high by actual measurement by May 1 this year. We have a campaign on now in the county to get 1000 farmers to plant alfalfa this fall, and from all indications we will exceed our aim. We have one man who has six acres of alfalfa planted six years ago, and he has cut it from three to six times a year since and it looks like it is good for as many more years. H. M. Cottrell, field worker for the Georgia Bankers Association, was here a few days ago and after visiting the alfalfa fields of the county made the remark that he has studied alfalfa for 20 years and seen it in 30 states, and had seen some as promising alfalfa here in Elbert county as he has ever seen anywhere.

There is no doubt in my mind that this would prove to be the greatest livestock section of the world if we just had a few of those good farmers to which Mr. Goins refers to show our people the way. We have grown cotton so long that it looks like we grow it by instinct and can't break away.

As for feed for livestock growing here—it would be funny, if it were not so serious, that people say it will not grow, and believe it will not grow, and yet it does grow and will continue to grow if given a chance, for more months in the year than anywhere else and with less expense.

Possibly if we had more unselfish people like you we could eventually make the truth prevail.

RAYMONDE STAPLETON.

The Farmer and His Problems.

By FRANK Y. PONDER, Wichita Falls, Texas.

The fellow who said that an ounce of encouragement is worth a ton of advice was a pessimist of the rankest sort. There is a difference, but it is in favor of advice. The reason that advice is not more highly valued is because everybody has it to give away and mighty few will take it, but anybody will gladly and freely swallow encouragement, but there be few who seem to have any to spare. In this case neither is offered, because the writer happens to be too familiar with farmers and their problems. His wish is to be of some small service in creating a better understanding between farmers and all those who are employed in other forms of useful service.

That the farmer's is an independent life is true in a very limited degree. Time was it was literally so, but nobody wants to see that condition again. There is, in fact, no such things as independence. Each individual human being on the earth is in some measure dependent, directly or indirectly, on every other one. Now, that is very broad, but it is the truth. Many of us have not accepted our responsibility as debtors and creditors, but that does not discharge the obligation. Each one must contribute his part or some other one somewhere will suffer for it. The farmer feeds the world, but "man does not live by bread alone." In my own family the food is about one-fifth of the current expense, and the farmer does not get more than half of that fifth. The other half goes to the grocer, the baker, the cannery, the meat packer and the railroad. Landlords must have their part and the tax collector gets a part of that, and then the teachers and the road builders get theirs, and all of us use the roads and the schools, so if the stream is dammed up anywhere

the whole stream will be affected from its source to its end. That is, if there can be an end.

Six years ago Mr. W. P. G. Harding put an obstruction in the circulation way up next to the heart, and it literally ruined thousands of honest, hard-working men. I'll tell you what effect it had on two or three farmers I knew. These were events of 1920. One day my friend Burkett was in the store and he said: "Last year I made \$5000 clear on 25 acres of cotton." That was for 25 bales at 40 cents a pound. He sold enough of other farm surplus to pay all expenses and produced enough feed for all his livestock.

Moser said: "I made \$12,000 last year on my farm, clear money."

In the fall, after cotton picking had been commenced, Carter said: "I sold a bale of cotton just a while ago for \$25 and it cost \$30 to hire it picked." In other words, he had contributed the use of his land, team, tools and labor for the year for the privilege of furnishing his part of the world's cotton and paid \$5 to get it taken off his hands. Looks bad, doesn't it? Well, some of them were a great deal worse off than Carter. He was not in debt and had enough left from the previous crop to pay current expenses. A great many went into debt to finance their crop making on rented land.

If any manufacturer who sold his year's production on that basis should chance to see this he might be able to give either encouragement or advice to Mr. Carter. I couldn't do it. The way I figure it, Mr. Ford would be "cleaned out" in one year and quit. Carter made a crop the following year and made a little money. Two years later cotton was at a high price, but the drouth came, and he made next to none. But he continued to farm just as though he were making a "killing" every year. It is not very common for all field crops to do their best in the same year. I recall only one such year in thirty. That is why the one-crop man is "out of luck."

Farmers continue to plant cotton because it is always—except 1914—as good as gold at some price, and Southern farmers just naturally feel that it is their sheet anchor, though raising cotton is a close relative to drilling oil wells as a sportsman's pastime, but it is the hardest way I ever tried to make a living. That is, except the plowing of it. I'd rather plow cotton than to eat when I'm hungry. Those who know little or nothing about farm life think it dull and uninteresting. The truth is that farming is the most varied occupation I know anything about. A progressive farmer needs more kinds of information than anybody else. A lot of them are getting it, too. They need help, but not the paternalistic sort the socialistic politicians promised them so long. Dr. Soule, in Georgia, is giving the sort of help they need. They need new ideas about their work and its relation to the work others are doing to keep commerce and industry alive. Farm boys go to the town high schools, and very commonly lead their classes and take first place in the popular games. That makes the town boys regard them as "one of us," and the country "Rube" is just about relegated to the forgotten past.

They need, like so many others, to get rid of old, false ideas. A farmer cannot estimate his production cost beforehand nor determine the quantity as can the manufacturer. He may plant 50 acres to cotton this year and make 50 bales, and next year, on the same land with the same cost, he will not make 5 bales. That is not saying that intelligent effort cannot influence in a very large degree the unit cost of production. This was demonstrated very clearly in the "More Cotton on Fewer Acres Contest," conducted last year by the Dallas News. One of the rules of the contest required the keeping of an accurate record of cost. Where the yield approached three bales to the acre the cost was less than 5 cents a pound, and when the yield fell below a bale to the acre the cost was over 21 cents a pound. Those who did

the most plowing and used the most fertilizers produced the most cotton at the least cost per unit.

One misleading phrase has been popular a long time, and that is "overproduction." No more of any single commodity will ever be produced than is needed by somebody somewhere in the world. If those who need it do not get it, that is the fault of the seller, who has his problems to solve the same as "Mr. Farmer." If there chances to be a local or temporary surplus, that is the banker's and transportation man's problem. No one of these four are independent of any of the other three. If any one of them gets more than his part for the service he performs, all the others suffer and he will suffer in the end. When this truth is universally understood we will not be very far from "Utopia." "Every man for himself and the devil take the hindmost" is altogether wrong. Serving others is a fundamental of self-preservation if there were no higher motive.

Another lie that needs to be nailed is that the local retail merchant is running a hold-up game. What would become of all the stuff that is produced if somebody did not sell it? The mail-order man did more than his share in promulgating this false notion. Cash selling never will be overdone. There might be too many engaged in selling in proportion to what each one sold. That would be wasteful. That touches a vital problem of the farmer; that is, there are many things that go to waste on the farm because the quantity of each is so small that it would be a waste of time to take them to market. That furnishes a good opening for service on the part of the local merchant to run out and collect the small amounts and market them. This would help in forming the pay-as-you-go habit. That would mean that a man would know when he is broke before he got below the bottom of his assets.

It is bad practice to spend a crop before it is planted or made.

It is likely to often cause one to use something that somebody else will pay for.

There is no way to beat the economic machine.

If a man eats and gives no service in return, he adds to the length of some other man's workday.

The world will never have too many earning workers.

There has often been limited distribution, but there never will be overproduction.

Work Begins on \$1,000,000 Markham Hotel.

Gulfport, Miss.—Foundation work was started for the new \$1,000,000 Markham Hotel of the Gulfport Hotel Corporation, for which the C. A. D. Bayley Co. of New Orleans has been awarded general contract. The hotel was named in honor of C. H. Markham, president of the Illinois Central Railroad. It will be 125 by 123 feet, 8 stories, of reinforced concrete construction, with pile foundation. B. H. Marshall of Chicago is the architect and J. W. Billingsley of New Orleans, consulting engineer.

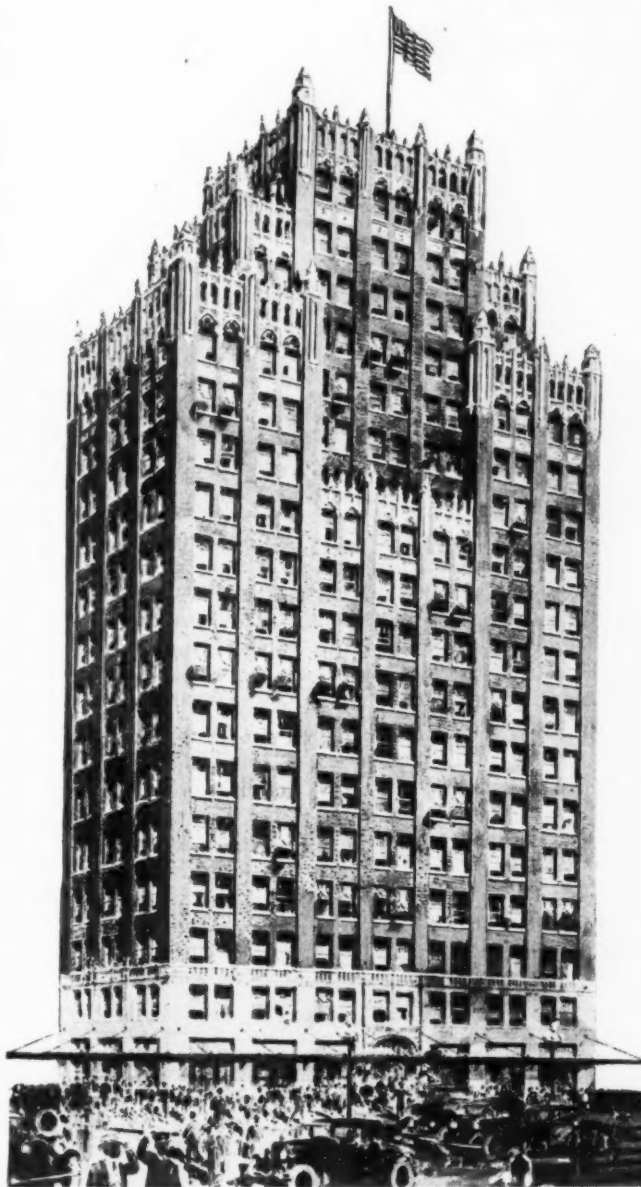
Bids Asked on \$935,000 of Bonds.

Elizabeth City, N. C.—Sealed bids will be received until June 14 at the office of the Chamber of Commerce, in care of J. H. Snowden, city auditor, for the purchase of Elizabeth City bonds in the amount of \$935,000. They will include \$480,000 of water bonds, \$306,000 for street improvement, \$110,000 for sanitary sewers and \$39,000 of public improvement bonds.

The Mizner Development Corporation of Palm Beach, Fla., is reported to erect a 15-story bank and office building on the site of its present Flagler street structure in Miami, at a cost of \$2,000,000.

New 19-Story Building for Oklahoma City.

Ground is expected to be broken within a short time for the new 19-story Petroleum Building to be erected in Oklahoma City by J. W. Mann, building contractor, of that city. Its architectural design is distinctly modern, plans having



PETROLEUM BUILDING TO BE ERECTED IN OKLAHOMA CITY.

been prepared by Layton, Hicks & Forsyth of Oklahoma City. The building will be 50 by 140 feet, with frame of structural steel encased in concrete, brick exterior walls faced with stone and terra cotta and reinforced concrete floors.

The two lower stories will be faced with polished granite, while the upper stories will be of mat faced brick grading from dark at the base to light at the top, where it will blend in color with the stone work with which the building will be capped. The structure will be fireproof, with walls and ceilings made soundproof by special treatment. Its cost will approximate \$1,000,000.

The Daytona Beach and Halifax Hospital Commission, F. J. Niver, chairman, Daytona Beach, Fla., has sold a bond issue of \$750,000 to the Merchants Bank & Trust Co. of Daytona Beach at 98.82, funds from the sale to be used for the erection of a hospital.

\$2,000,000 Seashore Development—\$500,000 Hotel Unit.

Rapid progress is being made by Morehead Bluffs, Inc., of Newbern, N. C., on a \$2,000,000 seashore development which it has undertaken at Morehead Bluffs, on Bogue Sound. With a total of 1250 acres, 400 acres have been divided into 2200 lots, leaving approximately 800 acres which have been reserved for large estates, the latter to be known as Morehead Bluffs Winter Gardens. Approximately 50 acres are being used to provide a large yacht harbor; dredging contract to involve 250,000 cubic yards of dirt has been awarded to



HOTEL UNDER CONSTRUCTION AT MOREHEAD BLUFFS, N. C.

C. Walter Hodges of Greensboro and Newbern. Dirt from the bay is being piled around the shores of the development for a distance of two miles, on which a hard-surfaced highway will be built. An eight-foot channel is also being dredged from Bogue Sound to Coral Bay.

Grading contracts amounting to approximately \$100,000 have been awarded to J. F. Mulligan & Co. of Cleveland, N. C., and this work is well advanced. The Simons Construction Co. of Charlotte is laying pavements. A water system to cost \$60,000 will be installed by Stallings Brothers of Newbern, the work to embrace eight miles of water mains, two 8-inch artesian wells and a 68,000-gallon tank. Equipment for five miles of white way has been purchased from the Westinghouse Electric & Manufacturing Co., Pittsburgh, the installation being handled by the Newbern Electric Supply Co.

As an important unit of the development, contracts have been awarded for a \$500,000 hotel, which will be of Spanish architecture. It will have exterior walls of cream stucco over terra cotta, ornamented with tile inserts. It will have a red tile roof and a 100-foot observation tower. The main portion of the structure will be five stories and the wings four stories. There will be 100 guest rooms, each with outside exposure and private bath. The first floor will contain a dining room, lobby, sun parlor and shops, with lounging rooms, billiard room, card room and writing room on the mezzanine. On the top floor provision has been made for a banquet and dance hall to accommodate 750. Located on high bluffs overlooking the sound, an underground floor of the structure will be connected by a subterranean passage with the foot of the bluffs. On this floor shower baths for men and women, lockers and dressing rooms have been provided. The hotel will be equipped with an electric refrigerating plant and will be served by two elevators.

Benton & Benton of Wilson, N. C., are the architects, and the J. E. Beaman Construction Co., Raleigh, general contractor. Other contracts have been awarded as follows: Plumbing, Stallings Brothers; heating, E. L. Davis & Co., Beaufort, N. C.; electrical work, Thompson Electric Co., Raleigh, and for three electric elevators and dumb-waiters to the Westbrook Elevator Co., Danville, Va.

A combination administration and hostess house is being built by the E. F. Taylor Construction Co. of Goldsboro, N. C.,

work on the structure nearing completion. A private club house being built on Coral Bay, under the direction of H. N. Honing, will contain sleeping quarters for 20. Mr. Honing is also building 20 residences, while others have been planned by private interests. Work is expected to begin soon on a pleasure casino, amusement park, recreation pier, mercantile houses and other structures. A garage for the use of hotel guests will also be provided and two 18-hole golf courses constructed.

South Carolina at New York.

[From the News and Courier.]

It is gratifying to know that really comprehensive plans are being made to have South Carolina adequately represented at the Southern Exposition to be held in New York in October. At the Exposition last year this state made a creditable showing, but it was obvious then that the representation did not properly mirror South Carolina's rich and varied resources and potentialities. This year a far better showing can be made, and if the committee in charge of the exhibition is given proper support, as we believe will be the case, fine results are assured.

This committee, as announced in a news article from Columbia yesterday, is now organized and functioning. The committee was named by Governor McLeod under authority from the legislature and Mr. A. C. Summers of the South Carolina Department of Agriculture is the general secretary. The committee has \$10,000 appropriated by the legislature for the exhibit, the understanding on which the appropriation was based being that cities and counties throughout South Carolina would join in to swell this fund to at least \$30,000 and, if possible, more. It will take that to prepare a full exhibit of a character which will rivet attention in a place like New York.

It is understood that the general committee has been very greatly encouraged by the initial response to the request it has sent out for support in its endeavors. The committee does not propose to feature any one community, but plans to give, as far as is practicable, a bird's-eye view of the state as a whole. This can be done, of course, only if communities all over the state lend their aid, not only in money but in the practical details of getting the exhibit in shape.

The value of such an exhibit is not open to question. The Southern Exposition last year was a great success in spite of the fact that it was admittedly very incomplete. A number of the states of the South did not realize what an opportunity they had. They will realize it this year, for the echoes of the first Exposition have already reached far and the benefits of it have been widely experienced. This year South Carolina will have for distribution in connection with its exhibit a handbook, now in preparation under the direction of Dr. W. W. Wall of the University of South Carolina School of Journalism. Such a book is greatly needed, and a better choice to edit it could not have been made.

Jacksonville to Sell \$1,000,000 of Bonds.

Jacksonville, Fla.—Jacksonville municipal bonds, in the amount of \$2,300,000, have been validated by the circuit court, and it is announced that steps will be taken at once for the sale of \$1,000,000 of these securities. The latter will include \$100,000 of incinerator bonds, two issues of \$300,000 and \$100,000, respectively, for paving; \$400,000 for sewers and \$100,000 for fire station. Issues validated include \$1,000,000 for water-works and improvements, a second issue of 1926 of the same bonds, \$500,000; third issue, \$200,000; fourth issue, \$300,000; street and highway improvements, \$100,000; incinerator, \$100,000, and fire station, \$100,000.

A Two-Million-Horsepower Team of Carolinians.

[Special Correspondence Manufacturers Record.]

[In so many ways and for so many years many people of other sections have misunderstood, indeed misrepresented, the technical and financial skill and initiative of Southern men that, merely as typical of the kind of men the South produces, we give the following story of the wonderful hydro-electric plant in Canada created by James B. Duke and W. S. Lee, two Carolinians who were brought into acquaintanceship by Dr. W. G. Wylie, also a Carolinian by birth, a famous surgeon of New York, who, early in the days of water-power development, took a leading part in the organization and activities of the Catawba River Power Company of Carolina.

The magnitude of the work accomplished by W. S. Lee and James B. Duke through the acquaintanceship of Dr. Wylie is an inspiring story of what Southern men are achieving not only in the South, but in all other parts of this country, and in this particular case in Canada.—Editor Manufacturers Record.]

New York, May 29.

Twenty-two years ago a telegram called W. S. Lee of South Carolina to New Jersey to meet James B. Duke of North Carolina. Out of that meeting sprang the Southern Power Company, which is now completing additions that will bring its total capacity up to approximately 750,000 horsepower. For the Southern Power Company Duke furnished capital and much executive ability and vision, while Lee furnished technical skill and executive ability.

Most of the readers of the MANUFACTURERS RECORD are familiar with the part these two Carolinians played, and one is still playing, in the development of the Southern Power Company, but not so many of them are familiar with their part in the development of a far larger power project—one that, added to their Southern Power Company, will bring their total power developments up to about 2,370,000 horsepower. Duke is dead, but Lee is the chief engineer of the Duke-Price Power Company of the Province of Quebec, Canada, which is now bringing into operation a single hydro-electric station with a capacity of 540,000 horsepower—the

"If that fellow is everything you say he is, I'd like to meet him," said Mr. Duke.

"I will wire him to come up here," said Dr. Wylie.

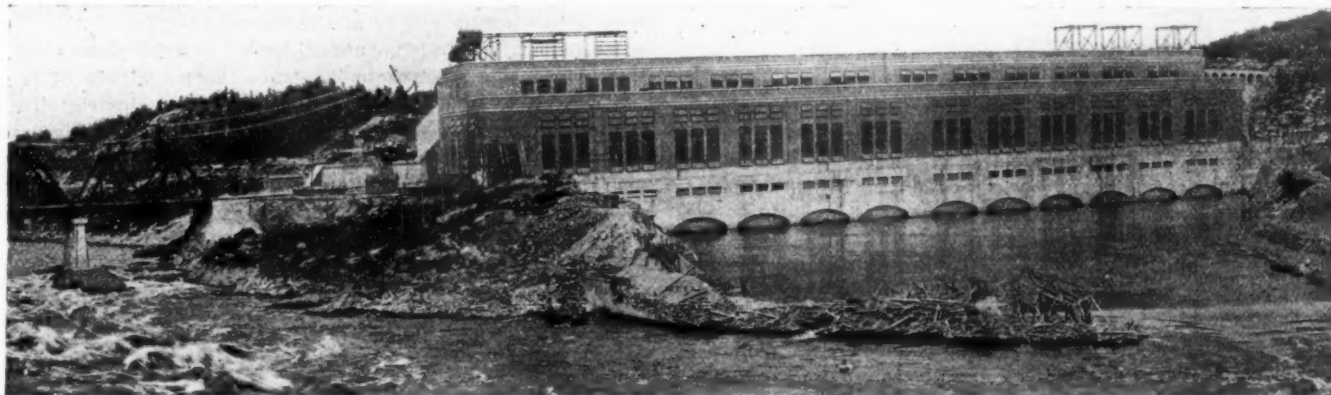
Duke and Lee discussed the Catawba project. Duke asked Lee if he could design a power plant or a hydro-electric station, and Lee told him he could, although at that time he had never made a complete design of a power station. Duke replied that he always believed in putting a matter up to some one person to handle; he had decided to put money into the Catawba development and he wanted to put this matter of designing a power plant up to Lee.

"Later, during my many years of association with Mr. Duke," says Lee, "I found it was his habit to designate one man to start and complete a thing rather than start a debating society or hold a town meeting over it."

It was also his habit to back his confidence in his chief engineer to the limit. Said Mr. Lee:

"Regarding instructions as to starting these plants, I do not recall that there were ever any formal or written instructions given to me during my many years of association with Mr. Duke.

"From then on various projects were begun aggregating



ISLE MALIGN POWER-HOUSE OF THE DUKE-PRICE POWER CO., LTD. CAPACITY 540,000 HORSEPOWER.

largest single development yet undertaken—and is starting another which will eventually develop 1,080,000 horsepower.

The beginning of the long and fruitful association of these two unusual men is described by W. O. Saunders in the American Magazine. Mr. Duke was ill at his home at Somerville, N. J. His physician was the late Dr. W. G. Wylie, also a North Carolinian, and at that time a famous surgeon of New York city. Dr. Wylie was interested in the Catawba River Power Company, for which Lee was consulting engineer, and Duke was much interested in water-power, his fancy, so the story goes, having been first captivated by a small water-power plant he had on his home grounds. The two men talked much about hydro-electric development in general and the power potentialities of the streams of their native state in particular. Dr. Wylie told Duke about Lee and about some valuable power sites that he was quite sure could be secured very cheaply.

many millions of dollars, in which instructions were given me verbally by Mr. Duke to do it and do it quick.

"The speed and facility in the development of the Southern Power system was due to the fact that Mr. Duke's wonderful power of making decisions enabled one to execute this work without any of the usual delays due to formal reports or written instructions regarding each move, and all of my work and association with him has been helped by having a man of this type to deal with."

When the Southern Power Company was an established fact Mr. Duke, like Alexander, began to sigh for fresh worlds to conquer. He was interested in the fixation of atmospheric nitrogen, and as the process then in use required large quantities of cheap power, he and Lee decided upon a trip to the Pacific Coast to look at water-power sites. In September, 1912, a party of six or eight men, including Duke and Lee, left New York for the West. Their itinerary included stops

at several points in the East first, however, including one at Ottawa. In Mr. Lee's words:

"When we reached Ottawa we were met by Mr. Thomas L. Wilson, commonly known as 'Carbide' Wilson. Mr. Wilson was very enthusiastic over water-power development for electro-chemical use; in fact, had a small plant in Canada which he used as a laboratory and had done some work on the Saguenay and Shipshaw rivers, up near Chicoutimi. He and some of his friends were very insistent that Mr. Duke and his party change their itinerary—they were booked to go to Seattle—and make a trip to the Saguenay River.

"After some further consultation it was decided that the party would go to the Saguenay. They immediately left and went to Chicoutimi. From Chicoutimi they visited the falls of the Saguenay River, about seven miles upstream. The Saguenay's normal flow is about equal to the flood conditions on our Carolina rivers. Its drainage area is about 30,000 square miles and it maintained a flow of about 35,000 cubic feet per second at that time. We went in a duck boat up to the end of tidewater, landed and then walked up trails on the banks of the river for possibly two miles. This large river breaks through regular gorges at that point and was a very impressive scene. I was with Mr. Duke and he and I walked over and discussed the matter, and as we walked past these various falls and walked around among the bushes, Mr. Duke stopped and said: 'Lee, I'm going to buy this.' This was his first visit and he had been there less than thirty minutes."

This particular waterfall forms a part of the rapids of the Saguenay River, extending from Chicoutimi to Lake St. John, a distance of about 37 miles, in which this enormous river drops 318 feet.

Lake St. John, the natural reservoir on which the two great plants of the Duke-Price Power Company draw, lies about 100 miles almost due north of Quebec. It is fed by a number of rivers that drain a basin of some 30,000 square miles and is drained by the Saguenay River, which flows east to empty into the St. Lawrence. Its normal area is 328 square miles. The plant at Isle Maligne, the 540,000-horsepower plan just completed raises its level 17.5 feet during flood seasons, thereby extending the surface area to 408 square miles. This flood surplus, thus impounded, estimated to be 187.1 billion cubic feet, provides a reserve on which the power plant draws during the low-water season. To visualize its magnitude, imagine a sheet of water 17.5 feet thick and cut in the shape of a truncated pyramid 18 miles square on one surface and 20 miles square on the other. This is the amount of water that will be available as a reserve to supplement the river's normal flow.

The power house is designed for 12 turbines of 45,000 horsepower each. Eight of these are already running and a transmission line, just completed, started to deliver power on May 1. Two more turbines are under construction, and the last two will be installed when needed.

This development could scarcely have been carried out by anything short of the highest degree of engineering skill. With temperatures far below zero a large part of the year and a tremendous freshet following spring thaws, the order of the work had to be carefully planned and executed exactly on schedule. Climate and stream flow, in short, set absolute dates when certain jobs could be started and must be completed. Concrete was poured steadily through sub-zero weather without difficulty by heating the ingredients before mixing, conveying in 6-ton batches, and covering with steam pipes overlaid by tarpaulins until the set was complete.

The power house is at the down-stream end of Isle Malign (pronounced *Eel Malcen*; Malign Island). At the upper end of the island it was necessary to build a rock-filled dam to confine the current to the channel in which the power house was built. The current was so swift that large rocks dumped into it were swept away. It became evident that nothing

would suffice short of a diversion canal which would withdraw enough of the water from the natural channel to permit the work. The canal decided upon was 520 feet long, from 38 to 40 feet deep and from 100 to 150 feet wide, through hard rock. The central 300-foot section was excavated in the usual manner. The two end sections were then tunneled and loaded with high explosive. In the meantime a bridge with five concrete piers had been built across the excavated portion and it was necessary to protect this bridge from flying fragments of rock. Also, it was necessary that a single blast should hurl all rock clear of the channel. The bridge was buried under 35,000 cubic yards of sand. The tunnels under the end portions of the channel were loaded with 205,479 pounds of high explosive, the walls of these end portions were defined by rows of vertical drill holes and the blast set off. A photograph taken from a distance of nearly a mile shows a vast cloud of earth and rock leaping 1500 to 2000 feet into the air. Fragments were scattered over an area half a mile in diameter, showing a remarkably steep trajectory. Water rushed into the channel. A powerful pump was quickly installed at the bridge and a hole made in the sand barrier. The water poured through, quickly enlarging the opening, and in 25 minutes had washed the channel clear of sand. The bridge was unharmed. This was the largest blast ever made in Canada, and since no record could be found of a similar one anywhere else it is believed to be unique.

In all, seven spillways have been built to carry off the flood waters too great to be impounded. Twenty-five miles of railway and a small town to house the construction crews have transformed a wilderness scene into one of humming activity.

While this is the largest single water-power installation yet undertaken, it will be nearly doubled by the Shipshaw plant of the same company a few miles farther down the same river—the 1,080,000 horsepower plant for which plans are being prepared. When the latter is completed the Duke-Price Power Company will be delivering 1,640,000 horsepower from the turbulent waters of the Saguenay.

The industrial developments scheduled to take place about these power plants serve to illustrate the magnitude of the part played by hydro-electric power in our industrial life. The Aluminum Company of America, through its Canadian subsidiary, the Aluminum Company of Canada, has recently bought a 53½ per cent interest in the Duke-Price Power Company and will build around the lower power plant a great aluminum plant which will eventually use the entire 1,080,000 horsepower capacity of the Shipshaw plant. To provide labor for this immense development the Aluminum Company will have to build a city of 50,000 people in what is now a wilderness.

Contracts for \$500,000 Building in Texas.

Amarillo, Texas.—General contract has been awarded to the Hughes-O'Rourke Construction Co., Dallas, by Mrs. M. D. Oliver-Eagle of this city for the erection of a \$500,000 store and office building here. Other contracts are as follows: Heating and plumbing, Young & Pratt, Lubbock, Texas; electrical work, Wright Bros., San Antonio; elevators, Otis Elevator Co., New York; stone, Bedford Carthage Stone Co., Houston; metal doors, windows and sheet metal, Gilbert Manufacturing Co.; mill work, Buell Lumber & Manufacturing Co.; ornamental iron, Southern Ornamental Iron Works; structural steel, Mosher Steel & Machinery Co., all of Dallas; glass and glazing, Dallas branch of the Pittsburgh Plate Glass Co., and for marble, tile and slate, to the Good Marble Co., Fort Worth.

The building will be 10 stories, 90 by 140 feet, of reinforced concrete, brick and stone construction, with slab and built-up roof. Wyatt C. Hedrick of Fort Worth is the architect.

THE IRON AND STEEL SITUATION

Steel Industry Operating at 80 Per Cent Capacity.

Pittsburgh, June 7.—[Special.]—There has been very little change in the total volume of steel buying in the past two months. Some lines have had increases, others decreases, making little change in the net total. Orders are filled promptly and there is ordinarily no occasion for buyers to make commitments for the future. Accordingly, the trade is looking more to production to measure the state of affairs than to news as to buying, for such news must be fragmentary and incomplete at best, while it is not always entirely trustworthy, whereas production is a plainly visible and ascertainable fact. Estimates made from time to time as to mill operating rates can be checked up precisely every month when the official monthly report of steel ingot production is issued.

With an operating rate of 88 per cent, both in April and in the six months ending with April, May operations were probably not much under 85 per cent, and the present rate is probably all of 80 per cent. That is, there is only a slight seasonal decline, if indeed such declines are seasonal, whereas the experience of each of the past three years led the trade to expect a decided decline.

It is improbable that a rate much below 80 per cent will be shown even for July, customarily considered a month of light production. From the present outlook there may easily be slight declines thereafter. In that case this year would resemble 1923, rather than 1924 or 1925, each of those years having shown a decided decrease to July and then a recovery. The difference is perhaps made largely by stocks not having accumulated this year as they did in the other two years.

The steel industry is in a long period of very heavy production, a fact not very generally realized. It is engaged in breaking production records for longer and longer periods. Lately it has broken, by considerable margins, all records for continuous production from 1 to 18 months, inclusive. It has now broken all such records made since the war, and it must have time in which to break the war-time record. This it may easily do. Production has lately been heavier than at any time during war, but the war caused production at the possible maximum for a period of fully three years. When production was not at capacity it was because there were physical difficulties.

While many comparisons could be made showing the vitality or longevity of this period of heavy steel consumption, the most impressive is the 18-month comparison. December, 1924, to May, 1926, inclusive, 18 months, showed production of steel ingots of about 67,700,000 tons. The best previous period, since the war, of 18 consecutive months was the period October, 1922, to March, 1924, which showed 65,300,000 tons.

This showing is a measure of the industrial and building activity of the country. It is not a measure of prosperity or profits for the steel-producing industry itself. The average profits per ton do not make a good showing for ordinary times, while with such unprecedented demand mills might reasonably expect profits per ton somewhat above the average. A few steel lines are doing well in profits, while some others, by conservative accounting, might show actual losses.

Sheets have been continuing their decline, having now lost nearly all of their advances of November and December last, and being on an average not more than \$2 a ton above the level of July to October, inclusive, of last year, the lowest level since early in 1922. The \$2 a ton advance in merchant steel bars announced quite generally week before last is not yet fully effective as to small lots at \$2.10, while it has not been tested as to large lots at \$2.

The Standard Sanitary Manufacturing Company has bought 25,000 to 30,000 tons of foundry iron for delivery over the

second half of the year at \$18, valley making a market price. The market declined early in April to \$19, while lately this quotation has been purely nominal. Valley foundry iron has not been lower than \$18 since December, 1915, and only in three short periods has it been as low as \$18 since then. All Northern markets have lost 50 cents or more in the past month. Birmingham iron, staying at \$22, makes a remarkable record, being now \$4 above valley iron. Twenty years and more ago it was sometimes as much as \$4 below valley iron, and occasionally it penetrated even to Pittsburgh.

Connellsville furnace coke for spot shipment is off 10 cents, at \$2.75 for blast-furnace lots, carloads sometimes bringing up to \$2.90. The \$2.75 price is the lowest since 1916.

Townsend Plant 110 Years Old.

The one hundred and tenth anniversary of the plant of the Townsend Company, New Brighton, Pa., which was established by Robert Townsend in 1816, was recently celebrated by members of the fourth generation of the family. Mr. Townsend, the founder of the industry, who had worked for 10 years in the iron foundry of Hugh Balderson at Baltimore, went to Pittsburgh at the age of 26 and engaged in business on his own account, having a small wire shop. In 1828 another location was acquired at Fallston, near New Brighton, although the Pittsburgh location was retained for 64 years for offices and warehouses. History of the firm shows that the Townsend plant had the first wire mill west of the Alleghany Mountains and that it made the first three-strand wire for the first telegraph lines over the mountains.

Imports and Exports of Iron and Steel.

The importations of iron and steel products into the United States, to which we have repeatedly referred, continue to increase. For the first four months of the year the total importations of pig-iron amount to 216,729 tons, as compared with 173,249 tons for the same period of 1925.

The total imports of all classes of iron and steel products for April amounted to 112,255 tons, the highest for any month since January, 1923. The importations in detail for March and April and for the first four months of this year as compared with the corresponding period of last year were as follows:

Article	IMPORTS OF IRON AND STEEL INTO THE UNITED STATES. (In gross tons.)			
	March 1926	April 1926	January through April	1925
Pig-iron	54,825	54,359	216,729	173,249
Ferromanganese and alloys.....	4,141	9,854	21,560	29,067
Ferrosilicon	665	1,714	3,063	2,273
Scrap	2,523	3,317	20,918	36,240
Iron slabs	29	13	42	1
Steel ingots, blooms, billets, etc..	1,913	1,448	8,484	13,522
Steel bars	8,468	8,582	28,251	14,230
Iron bars	527	757	2,252	3,461
Wire rods	576	783	3,444	2,297
Hoops, bands and scrolls.....	1,592	1,900	5,370	3,037
Boiler and other plate.....	532	63	1,046	98
Sheets, skelp and saw plates....	147	769	1,971	1,441
Tin plate	28	1,327	1,380	72
Structural shapes	5,627	8,553	24,519	23,642
Rails and splice bars.....	3,930	10,015	16,418	15,123
Cast-iron pipe	2,718	5,040	13,207	10,310
Other pipe and tubes.....	2,864	1,976	8,318	2,611
Barbed wire	267	172	1,884	1,416
Round iron and steel wire.....	367	433	1,439	911
Steel telegraph and telephone wire	82	82	371
Flat wire and strip steel.....	272	238	967	690
Wire rope and strand.....	278	172	610	576
Wire cloth and screening.....	50	37	113	85
Other wire	141	205	683	135
Nails, tacks and staples.....	275	361	862	179
Bolts, nuts, rivets and washers..	72	69	206	43
Castings and forgings.....	198	98	824	816
Horseshoes	86
Total	93,107	112,255	384,642	335,982

Of these total importations for the first four months of the

calendar year the United Kingdom sent us 72,079 tons; Germany, 67,546 tons; Belgium, 57,853 tons; the Netherlands, 44,775 tons; British India, 43,928 tons; France, 41,347 tons, and Canada, 23,545 tons.

The exports of iron and steel products for the first four months of the year amounted to 695,659 tons, as compared with 554,836 tons for the corresponding period of 1925. The exports in detail for March and April of this year and for the first four months of the year as compared with the same period of last year were as follows:

EXPORTS OF IRON AND STEEL FROM THE UNITED STATES.
(In gross tons.)

Item	March 1926	April 1926	January through 1926	April 1925
Pig-iron, not including ferro-alloys	1,489	2,010	6,640	6,380
Ferromanganese and spiegeleisen	6	2	170	3,056
Scrap	10,326	13,759	37,252	14,751
Ingots, blooms, skelp, etc.	3,239	5,966	16,512	20,942
Iron bars	280	509	1,284	1,752
Steel bars	13,622	13,096	48,903	39,470
Alloy steel bars	751	508	1,965	1,594
Wire rods	2,811	1,201	6,708	8,117
Plates	13,250	10,397	43,026	34,376
Galvanized sheets	15,751	17,746	62,732	69,110
Black steel sheets	14,203	17,760	62,199	26,880
Black iron sheets	2,282	1,328	7,944	3,774
Hoops, bands and strip steel	6,173	4,082	18,340	12,800
Tin plate, terneplate, etc.	15,500	22,124	72,502	56,279
Structural shapes, plain material ..	13,408	11,616	44,356	29,574
Structural materials, fabricated ..	7,639	7,936	32,687	23,417
Metal lath	526	365	1,472	797
Steel rails	7,113	15,859	45,291	43,422
Rail fastenings, switches, frogs, etc.	2,851	2,613	14,739	9,247
Boiler tubes and welded pipe	19,496	24,069	93,056	69,600
Malleable-iron screwed pipe fittings	872	1,841	4,524	2,925
Cast-iron screwed pipe fittings ..	800	1,236	3,371	1,696
Cast-iron pressure pipe and fittings	356	737	2,911	3,840
Cast-iron soil pipe and fittings ..	352	529	2,029	3,573
Plain wire	3,813	3,358	13,728	12,682
Barbed-wire and woven-wire fencing	4,905	5,997	21,295	25,027
Wire cloth and screening	110	141	582	598
Wire rope	507	375	1,715	1,609
Insulated wire and cable	125	26	261	322
Other wire and manufactures of ..	821	546	2,804	2,623
Wire nails	1,148	1,242	4,240	2,908
Nails other than wire	693	619	2,627	3,295
Tacks	93	119	318
Horseshoes	41	30	225	224
Bolts, nuts, rivets, except track ..	1,106	1,471	4,841	5,397
Car wheels and axles	760	1,175	5,372	6,941
Iron castings	745	673	2,577	3,149
Steel castings	1,208	1,151	3,445	1,998
Forgings	357	237	1,016	871
Total	169,438	194,449	695,659	554,836

Corrugated Culvert Industry's Anniversary.

This year the 30th anniversary of the invention of the corrugated culvert is being celebrated by the Armco Culvert and Flume Manufacturers' Association. The celebration was initiated by an exchange of telegrams between Walter H. O'Neill, president of the association, and George M. Verity, president of the American Rolling Mill Company, in which Mr. Verity said: "It is a significant fact that though the corrugated culvert is 30 years old, Watson's original design has remained unchanged and is daily acquiring a host of new friends."

A feature of the celebration is the display in the association's laboratory at Middletown, Ohio, of the first corrugated culvert ever made. This culvert was manufactured by the inventor, James H. Watson, and placed early in 1896 under a public highway near Crawfordsville, Ind., from which location it was recently removed for exhibition purposes. It is one of many similar culverts still in service near Crawfordsville. Today the Armco culvert industry operates more than thirty thoroughly modern and efficient plants, has a worldwide organization and its culverts are found in practically every corner of the globe.

City Council of Miami Beach, Fla., has sold \$1,000,000 worth of improvement bonds to Wright, Warlow & Co., Orlando, Fla., and the Eldridge Co. of New York city.

RAILROADS

GREAT NEW RAILROAD PLANT NEAR TAMPA.

Atlantic Coast Line's Car and Engine Shops at Uceta to Be Completed This Year.

Complete plans for the new shops to be erected by the Atlantic Coast Line at Uceta, near Tampa, show that they will constitute a great industrial plant thoroughly equipped with the best labor-saving machinery, built in accordance with modern industrial standards, and designed by experts to increase the operating efficiency of the Coast Line's network of rails in Florida. Not only will the new shops comprise more different units under one roof than any other, but when fully manned and equipped they will be the largest locomotive repair shops on the Coast Line system and will be capable of handling 40 to 50 locomotives per month. Facilities will be provided that will enable any class of repairs to be made, and locomotives can be completely rebuilt. A large number of traveling cranes to handle the heavy machines and material will be a noticeable feature of the equipment.

The main shop building will be 638 feet long and 265 feet wide, covering a space of approximately four acres under one roof. It will be constructed of steel frame work on concrete foundations, with practically all sides and ends covered with glass. All the shop buildings will be electrically lighted at night, arrangements having been made for the installation of the most modern shop-lighting system known. The outside yards will be equipped with what is known as the "flood lighting system," so that a newspaper can easily be read a distance of 300 to 400 feet away from the source of light. All the tracks serving the shop building will be open-end tracks, affording the greatest possible range of use.

All the machinery in the shops, the traveling cranes, fire and service pumps for the water supplies will be operated by electricity, each machine having its individual motor, and the old shop arrangement of overhead shafting with a multiplicity of pulleys and belting will not be seen. Repairs will be conducted on the "longitudinal" system. After a locomotive has been stripped of its piping, cab, sand box, side rods and many other minor parts it is taken into the shop and is lifted by two 100-ton cranes so that the driving wheels, boxes, etc., can be removed. It is then carried by the cranes to the point where repairs of the nature needed are done. The locomotive remains at a given point until all the work done there is completed. It is then taken by the cranes to the next station. There are, altogether, 11 overhead traveling cranes in the shops and two gantry cranes in the material yards adjacent. The overhead cranes include two of 100 tons, two of 15 tons, three of 10 tons and four of three tons capacity each. The gantry cranes are of 10 tons capacity.

Other buildings will be an office and storehouse 50 by 150 feet, with space for extension of 300 feet or more; a car-repair shed 500 feet long with open-end tracks where freight cars will be repaired or rebuilt. Adjacent to this will be a sawmill. Space has also been provided so that a planing mill and dry kiln can be added.

The shop building will be provided with all modern sanitary conveniences, and adjacent to it there will be a commodious locker and washroom. Particular attention has been paid to making it comfortable. The mild South Florida climate will make it unnecessary to provide a heating system, and the building has been designed so as to have it as

cool as possible. There is much open space at the sides and ends. The eaves overhang and there are large openings near the roof. It will not only be the best lighted but also the best ventilated shop building in the South. It is expected that the temperature inside the building in the summer will be from 15 to 20 degrees cooler than outside.

A noticeable feature of the blacksmith shop will be down-draft forges and furnaces so that, while located under the main roof, the shop will be free of all smoke and gas.

Provision has also been made for the engine and train crews. There will be a commodious brick building with not only lockers, shower baths and toilet facilities, but sleeping quarters for those men lying over at this point whose homes are at the other end of their runs. This building will be equipped with kitchen arrangements so that cooking can be done. It will also have a lounging room with large brick fireplace and comfortable chairs and tables.

The plans for the shops now to be erected are so drawn that they can be enlarged by more than 50 per cent whenever the demand requires. The car repair yard can be increased by more than 300 per cent. The classification yard, which is now almost completed, and which is designed to handle nearly 600 cars, can be enlarged to more than twice that capacity. The track arrangement around the turntable allows for the enlargement of 100 per cent and the round-house, which now contains 12 stalls, can be extended over 300 per cent.

Construction of this huge plant will begin immediately. Every step of the process from staking out the buildings up to the installation of the last machine has been carefully scheduled and the shops are expected to be ready for use by January 1 next.

Port Canaveral & Western Railway Incorporated in Florida.

The Port Canaveral & Western Railway Co., capital \$500,000, has been incorporated in Florida to build a line about 50 miles long from Lake Charm, in Seminole county, through Volusia county and Brevard county to Canaveral, crossing the Indian River above Titusville, which is the county-seat of Brevard county. It is expected that the line will connect with the Florida East Coast Railway near Lake Charm.

Those interested in the company include James C. Knox, president, Titusville; R. C. Boswell, vice-president, Wilson, Fla.; George W. Scobie, secretary, Titusville. George B. Brickett and N. T. Froscher, both of Titusville, are also stockholders.

It is understood that the building of this railroad will be a material factor in the development of Canaveral Harbor on Merritt Island, opposite Titusville.

Freight-Claim Agents to Meet at Norfolk.

Concentrated efforts of both the railroads and the shippers during the past five years have reduced the annual loss and damage bill of the rail carriers from \$120,000,000 to less than \$40,000,000 in that period. Plans for bringing about what is hoped will be a still further reduction will be considered at the 35th annual convention of the Freight Claim Division of the American Railway Association, which will be held in the Hotel Monticello at Norfolk, Va., from June 15 to June 18, inclusive. The convention will be attended by freight-claim agents representing more than five hundred railroads located throughout the United States, Canada, Mexico and Cuba.

Chief Engineer Appointed.

C. E. Weaver has been appointed chief engineer of the Central of Georgia Railway to succeed C. K. Lawrence, who has retired. His headquarters will be at Savannah.

Houston and Port Arthur, Texas, to Be Connected by New Railroad.

Construction of a railroad from Houston to Port Arthur, Texas, about 82 miles, is proposed by the Houston & Port Arthur Railway Co., which has just been chartered in that state. William Doherty will be president, and others interested include J. S. Cullinan, W. W. Moore and J. Y. Powell, all of Houston. Capital stock is \$85,000. Mr. Cullinan is president of the North Side Belt Railway at Houston, and permission has been asked to increase the capital of that line from \$10,000 to \$100,000. The plans outlined look to the construction of the new railroad along the north side of the Houston ship channel to Port Arthur.

Florida East Coast Railway's 1926 Budget Calls for \$21,000,000.

Announced construction plans of the Florida East Coast Railway Co. look to the completion of double tracking from Jacksonville to Miami, 366 miles, by August, according to a report from New York, and by October the automatic signal installation will also be finished. The new terminal at Hialeah, near Miami, is nearly completed; the yards will have trackage to store 5000 freight cars and 50 locomotives. The company's budget for the current year calls for a total expenditure of about \$21,000,000 for improvements and betterments.

Car Loadings Again Over 1,000,000 in a Week.

For the second consecutive week this year loading of revenue freight during the week ended on May 22 exceeded one million cars, according to report filed by the railroads with the Car Service Division of the American Railway Association. The total for the week was 1,039,385 cars, an increase of 9223 cars over the preceding week. Compared with the corresponding week last year this was an increase of 52,079 cars and also an increase of 121,161 cars over the corresponding week in 1924. It also was an increase over the corresponding weeks in 1920, 1921, 1922 and 1923. Since January 1 there have been 19,843,150 cars loaded with revenue freight, or 393,619 cars more than were loaded in the same period of last year. As compared with the corresponding period of 1924 the increase was 1,103,731 cars.

New Equipment Orders.

Louisville & Nashville Railroad has ordered 24 locomotives of Mikado type from the American Locomotive Co. and 8 Mountain type from the Baldwin Locomotive Works; also 15 combination baggage and mail cars from the American Car & Foundry Co. and 10 baggage cars from the Pressed Steel Car Co.

Rock Island Lines are reported in the market for about 200 gondola cars.

Santa Fe system has ordered 15 Mikado type and 10 Santa Fe type locomotives from the Baldwin Works.

Southern Pacific Railway has ordered 11 dining cars from the Pullman Car & Manufacturing Co.

Pennsylvania Railroad has ordered 60 switching locomotives, to be built at its Altoona Works, where 24 all-steel dining cars will also be constructed.

The city of Newport News, Va., A. M. Hamilton, city clerk, has sold \$200,000 of refunding and \$175,000 of public-improvement bonds to the Drake-Jones Co., Minneapolis, Minn.; Merchants Trust Co., and A. B. Leach & Co., Inc., New York.

GOOD ROADS AND STREETS

For \$5,000,000 Mississippi River Bridge.

New Orleans, La.—Application has been made by George A. Hero and Allen S. Hackett of this city to the State Highway Commission, Baton Rouge, for permission to build a toll bridge across the Mississippi River here at an estimated cost between \$4,000,000 and \$5,000,000. Plans and specifications were filed with the application, together with documentary assurances that financial backing is available to carry out the project. The main span of the bridge would be 1850 feet, it is stated.

West Virginia County Expending \$2,500,000.

Morgantown, W. Va.—A road-improvement program, to involve an estimated expenditure of \$2,500,000, has been undertaken in Monongalia county, four of the seven districts having already voted bond issues for road construction this year. These include Clay district with \$525,000; Grant, \$465,000; Battelle, \$360,000, and Clinton district, \$145,000. The State Road Commission, Charleston, is expending approximately \$500,000 in Morgantown district, and has agreed to co-operate with the county court in the expenditure of \$50,000 to grade 3.7 miles of road between Morgantown and the Pennsylvania state line in Cass district. Contracts for more than \$250,000 worth of street paving have been awarded by the city of Morgantown this spring.

West Virginia Roads to Cost \$1,500,000.

Charleston, W. Va.—Lowest bids recently submitted to the West Virginia State Road Commission for the construction of 15 road and 5 bridge projects approximate \$1,500,000 in the aggregate. The work will cover 19 miles of macadam paving to cost \$463,529; 22 miles of gravel, \$215,652; 18 miles of grading, \$236,504; 6 miles of concrete, \$93,800, and for paving a street in Petersburg, \$24,507. The five bridge projects will involve a cost of \$265,922.

Bids for Bridges on Pee Dee River.

Conway, S. C.—Proposals will be received until June 16 by the Little Pee Dee Bridge Board, J. F. Harper, chairman, at its office in this city, for the construction of bridges and approaches on the Little Pee Dee River at Potato Bed Ferry. The proposed work will require approximately 1500 linear feet of creosoted timber bridges and 80,000 cubic yards of earth fill approaches. Plans and specifications may be obtained from Johnson & Roberts, engineers, Marion, S. C.

Work Progressing on Tampa-Jacksonville New Short Route.

Jacksonville, Fla., June 7—[Special.]—The new Tampa-Jacksonville short line highway via Astor and Howey will be ready for traffic by October 1, according to information received by the Florida State Chamber of Commerce.

Construction of the 7890-foot long Howey bridge across Little Lake Harris, a vital link in the route, is progressing rapidly, and the new bridge across the St. Johns River at Astor will be finished within the next few weeks. Construction of the highway between Altoona and Eustis and Tavares and Howey is proceeding at a rapid pace. The surface already is being applied to the Umatilla-Altoona link, while the work of laying the rock base on the section between Tavares and Astatula, the eastern end of the Howey bridge, is more than 80 per cent completed.

The State Road Department has recently completed the

three miles of State Road No. 3 from San Mateo to Dunn's Creek, and is progressing rapidly with the section between Palatka and Green Cove Springs. A short cut between Green Cove Springs and Jacksonville is to be provided through construction of a bridge across Doctor's Lake.

The new short route from Jacksonville to Tampa will be via Green Cove Springs, Palatka, San Mateo, Pierson, Astor, Howey, Groveland, Polk City and Lakeland.

Virginia Road and Bridge Work to Cost \$614,000.

Richmond, Va.—A tabulation of bids recently received by the Virginia State Highway Commission for the construction of a bridge and four road projects indicates that the cost will reach a total of more than \$614,000. The lowest bids for three projects covering a total of approximately 12 miles of concrete aggregated \$446,549, while the lowest bid for widening the concrete road from Virginia Beach to Norfolk, a distance of nearly 15 miles, was \$139,763. A low bid of \$28,179 was submitted for the construction of a bridge over Hunting Creek at Alexandria. This structure will be 98.6 feet long, and will consist of three 30-foot reinforced concrete beam spans carrying a 24-foot roadway.

Broward County to Sell \$500,000 of Bonds.

Fort Lauderdale, Fla.—Sealed bids will be received until June 18 by the Broward County Commissioners, Frank A. Bryan, clerk, for the purchase of \$500,000 of highway bonds, maturing from 1935 to 1949. The bonds are dated July 1, 1925, and bear an interest rate of 5½ per cent. They are in denominations of \$1000 each.

Wider Highways for Safety.

Washington, June 8—[Special.]—Immediate adoption of wider highways, equipped with modern signal devices, is urged by the American Road Builders Association, through its managing director, Charles M. Upham, of North Carolina. The immediate incorporation of safety design in roads leading into the larger cities is declared essential to check the appalling loss of life in suburban districts as a result of automobile accidents.

Charles M. Upham Resigns As State Highway Engineer.

Charles M. Upham has resigned as State Highway Engineer of North Carolina. Mr. Upham will continue as business director of the American Road Builders' Association and director of the Highway Research Board of the National Research Council and as engineer-manager for the Byrne Brothers Construction Company of Mexico. In addition he will do some consulting work from time to time.

The State Highway Commission, Frankfort, Ky., will receive bids until June 18 for surface treatment on 31 road projects involving a total of more than 200 miles, all work to be completed by October 15.

The City Commission of Rome, Ga., has designated a number of streets to be paved under the "baby bond" plan, with a view to completing an extensive paving program before the end of the year.

TEXTILE

Contracts for Nashville Cotton Mill.

In connection with the award of contracts for a cotton mill to be erected at West Nashville, Tenn., by Thomas Henry & Sons, Inc., of Philadelphia, Pa., Robert & Co., Inc., of Atlanta, engineers for the new mill, advise that they have awarded the following contracts: boiler, Walsh & Weidner, Chattanooga; heating, John Bouchard & Sons Co., Nashville; fire protection, Rock City Construction Co., Nashville, and for a 75,000-gallon tank and tower, the R. D. Cole Manufacturing Co., Newnan, Ga. The total of these contracts is approximately \$25,000.

As previously announced in the MANUFACTURERS RECORD, a site of 15 acres was acquired by the Philadelphia company for the location of the proposed mill and contract awarded to the Rock City Construction Co. for the erection of buildings. Equipment for the plant, to be moved from Philadelphia, will consist of 20,000 spindles and 134 looms for the manufacture of merino yarns and Turkish towels. The buildings, it is stated, will contain 110,000 square feet of floor space and will involve a cost of \$250,000.

New Plant of Unity Spinning Mills.

Discussing construction details of the new plant being erected by the Unity Spinning Mills at Lagrange, Ga., J. E. Sirrine & Co., Greenville, S. C., engineers for the mill, advise the MANUFACTURERS RECORD that contract for the main mill building and warehouse group has been awarded to the Lagrange Lumber & Supply Co. and that rapid progress is being made. The main mill building is approximately 217 by 132 feet, one story and basement, of daylight construction, with plank on steel beams and plank floors on tar concrete.

The warehouse group will contain an opener room, 60 by 100 feet, one story and basement, of brick, plank and timber construction, and a three-compartment warehouse, two stories, of similar construction. The latter will have a floor area of 28,500 square feet.

The mill will house 3168 spindles, with necessary preparatory machinery, for the manufacture of coarse yarns from waste.

Lanett Bleachery and Dye Works Addition.

Regarding an addition which the Lanett Bleachery and Dye Works, West Point, Ga., is now erecting, J. A. Simmons, superintendent, advises the MANUFACTURERS RECORD that construction contract has been awarded to the Batson-Cook Co., West Point. The building will be 100 by 60 feet, two stories, of brick and concrete, and will house waterproofing and napping equipment, practically all machinery having been purchased. J. E. Sirrine & Co., Greenville, S. C., are the engineers.

Meeting of Cotton Manufacturers' Association of Georgia.

Atlanta, Ga., June 5—[Special.]—The annual meeting of the Cotton Manufacturers' Association of Georgia, which will be held at the Atlanta-Biltmore Hotel on June 21 and 22, promises to be an important one. Subjects to be discussed will cover business conditions, employe relations, insurance, marketing, advertising and other items of vital interest to the industry. While complete details of the program have not been worked out, it is assured that many prominent cotton manufacturers will be present and that a great deal

of constructive work will be accomplished for the textile interests of the state.

Changes and Additions for Proximity Mills.

Greensboro, N. C.—A contract has been awarded to the Fiske-Carter Construction Co. of Greenville, S. C., by the Proximity Manufacturing Co. for changes and additions to its mill here. Cost of the improvements will be approximately \$45,000, it is stated. J. E. Sirrine & Co., Greenville, are the engineers.

Contract for Piedmont Mill Additions.

Piedmont, S. C.—The Fiske-Carter Construction Co. of Greenville, S. C., has been awarded contract by the Piedmont Manufacturing Co. for the erection of two opener rooms here. The buildings will be one story in height, one to serve mill No. 3 and the other to serve mills Nos. 1, 2 and 4. J. E. Sirrine & Co., Greenville, are the engineers.

The company's mills here are equipped with 202 cards, 63,412 ring and 1110 twister spindles and 1984 looms for the production of shirtings, sheetings, drills and yarns.

Officers of Arkansas Cotton Trade Association.

Little Rock, Ark.—At a recent meeting here of the Arkansas Cotton Trade Association the following officers were elected: Hayley M. Bennett, Little Rock, president; E. F. Creekmore, Fort Smith, first vice-president; S. C. Alexander, Pine Bluff, second vice-president and treasurer, and W. S. Turner, Little Rock, secretary-manager.

To Stabilize the Textile Industry.

Ways and means for minimizing the recurrences of periods of depression in the cotton textile industry were discussed last week in Washington by a committee of Southern cotton manufacturers representing the American Cotton Manufacturers' Association and Secretary Hoover of the Department of Commerce. Another conference, to which representatives of the industry in New England also will be invited, was arranged for June 10 in New York, at the Biltmore Hotel.

Among the subjects discussed at the Washington conference were problems of distribution and the collection and dissemination of fuller statistics of the industry and business conditions affecting it.

"For years and years there have been periods of depression in the industry causing curtailment and then periods of good business," said Winston Adams of Charlotte, secretary of the American Cotton Manufacturers' Association. "The Southern mill men are determined to go to the source and find out the cause of these depressions. Curtailment is not a real remedy, and the basis of permanent remedy is what is being sought. It is the biggest thing ever undertaken by the manufacturers."

English Cotton-Mill Dividends.

Manchester, England, May 25—[Special.]—An average dividend of 8.69 per cent per annum, absorbing £46,450, was paid by 29 Lancashire cotton-spinning companies for the three months ended April, compared with 9.27 in January, 9.44 in October, 9.23 in July and 9.11 in April, 1925. The total paid-up ordinary share capital of the 29 companies is £2,641,500 and the aggregate spindleage 3,244,378.

Twenty-four companies, which have a total paid-up ordinary share capital of £4,693,708 and possess 2,555,328 spindles, made an average payment for the six months ended April of 4.84 per cent, requiring £66,300, against 5.21 in October and 6.44 in April, 1925.

LUMBER AND BUILDING MATERIALS

Exceptional Activity Continues in Lumber Industry.

Washington, June 3.—Again last week the organized lumber industry of the United States reported a substantial margin of gain over the corresponding week of 1925, even with fewer mills reporting. This being the last full week in May, which is the climax month of the lumber industry, leaves May, 1926, well in advance of May, 1925. Lumbermen are as much at sea as they were a week ago to explain the extraordinary height of the seasonal peak, except on the theory of revival of consumption in the smaller cities and towns and the country. No intelligent comparison of last week with the preceding week can be made on account of the fact that Monday, being a holiday, many mills were unable to get their reports to the National Lumber Manufacturers Association here in time for compilation today, but telegraphic reports received from 371 of the larger softwood mills showed that the industry was keeping up the high level of activity that has characterized it for several weeks. Reports were received by telegraph from 127 of the chief hardwood mills, of which approximately 35 mills failed to report on account of the holiday, but the inference is that there was no great change in the hardwood industry.

Reports from the Southern Pine Association were not received in time for publication in this department. For the 106 West Coast mills the unfilled orders were 410,894,727 feet, as against 431,883,356 feet for 100 mills a week earlier.

Altogether the 359 comparably reporting softwood mills had shipments 97 per cent and orders 96 per cent of actual production. For the Southern Pine mills these percentages were, respectively, 107 and 106, and for the West Coast mills 90 and 91.

Of the reporting mills the 329, with an estimated normal production for the week of 225,427,079 feet, gave actual production 106 per cent, shipments 105 per cent and orders 102 per cent thereof.

The following table compares the national softwood lumber movement as reflected by the reporting mills of eight regional associations for the three weeks indicated:

	Past week	Corresponding week 1925	Preceding week 1926 (revised)
Mills	359	385	403
Production	277,462,624	256,638,966	293,524,827
Shipments	268,852,027	262,488,808	312,789,517
Orders	266,879,695	249,154,190	288,366,565

The following revised figures compare the softwood lumber movement of the same eight regional associations for the first 21 weeks of 1926 with the same period of 1925:

	Production	Shipments	Orders
1926	5,275,067,064	5,502,697,096	5,493,138,360
1925	5,209,157,766	5,290,095,784	5,158,640,633

The Southern Cypress Manufacturers Association of New Orleans (omitted from above tables because only recently reporting) for the week ended May 26 reported from 12 mills a production of 3,776,585 feet, shipments 4,280,000 and orders 3,380,000. In comparison with reports for the previous week, when one more mill reported, this association showed considerable decrease in production, a nominal decrease in shipments and a slight decrease in new business.

The North Carolina Pine Association of Norfolk, Va., with 24 fewer mills reporting, showed heavy decreases.

The Hardwood Manufacturers Institute of Memphis, Tenn., reported from 113 units production as 17,596,520 feet, shipments 16,163,905 and orders 17,292,797. The normal production of those units is 20,163,000 feet.

For the past 21 weeks all hardwood mills reporting to the National Lumber Manufacturers Association gave production 587,522,655 feet, shipments 557,625,919 and orders 567,128,571.

Increased Lumber Production in 1925.

The lumber cut of 608 sawmills sawing 5,000,000 board feet or more in 1925, reports the Department of Commerce, was 16,102,652,000 feet, compared with 14,514,092,000 feet in 1924, or an increase for these identical mills of 11 per cent. On this basis, therefore, the total lumber cut of the United States last year was in the neighborhood of 39,000,000,000 feet, approximately one-half of which was produced in the Southern states.

Improved Workability of Concrete Due to Celite in the Mix.

The distinction between the two terms "consistency" and "workability" when applied to concrete mixes was shown recently in a lining job on the Southern Pacific Railway's Santa Susanna (Cal.) tunnel. On previous work a considerable excess of water was used to shoot the concrete from the gun through the pipe, according to Edward A. Phoenix of the Celite Products Company, Los Angeles, Cal. This excess water caused the coarser aggregate—with only a thin wash covering of matrix—to separate from the rest of the mix and hit the bends in the pipe with great force, so that the average life of the bends was five operating days. Furthermore, the mix was difficult to place properly without great segregation, due to the excess of water. But on this tunnel work Mr. Phoenix stated that Celite was used at the rate of five pounds per bag of cement, and as a result increased workability and plasticity were imparted to the mass and the amount of water was therefore greatly reduced. The concrete held together in a plastic, coherent mass, and the increase in true workability was shown by the fact that the life of the bends in the pipe was increased to 25 operating days.

It is further stated by Mr. Phoenix that investigation made and tests by the United States Bureau of Standards showed that Celite (diatomaceous silica) is three times as effective as hydrated lime and six times as effective as additional Portland cement in improving the workability of concrete mixes. It is claimed that Celite affords the most effective means to insure water-tight concrete and that in ordinary mixes the increased yield of finished concrete in place, due to the bulking effect of this ingredient, is sufficient to offset its cost, and its use almost invariably results in a lower cost per unit of finished concrete in place.

The Cypress Lumber Co. of Apalachicola, Fla., F. R. Moseley, president, has recently shipped two cargoes of pine, cypress and hardwood lumber to Boston, the shipments aggregating more than 1,350,000 feet.

Resort Hotels for Key West and Isle of Pines.

The Caribbean Company, Inc., J. B. Taylor, secretary, with offices at 221 West 105th street, New York, advises the MANUFACTURERS RECORD that it holds 45,000 acres of land at the extreme southwest end of the Isle of Pines off Key West, Fla., with a hotel site in Key West, and plans to join forces with a chain-hotel corporation on a Florida trunk-line railroad and build all-year tropical resorts on its properties. The proposed locations in Key West and Isle of Pines face the Gulf of Mexico, the former with a frontage of 750 feet and the latter covering an area of 5000 acres, surrounded by water on three sides. The company is perfecting an organization for the work and expects to be ready in a few weeks to execute construction and leasing contracts.

MECHANICAL

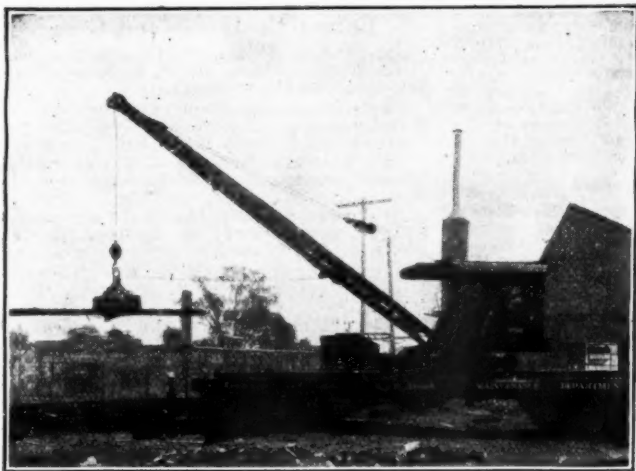
Gasoline and Electric Crane for Railroad Service.

Railroads having their prices for service and the number and wages of their operating forces dictated by agencies outside their control, continued operation forces them to maintain equipment and roadway, so that, even assuming adequate traffic density, only the utmost efficiency in all departments will make profit possible, because public opinion keeps rates down and wages up.

It is in the realm of common labor that the most remarkable savings have been effected, and this is unfortunate, because, with reduction in immigration and the spread of education, there may come a time when but few men will be satisfied with the wages or the status of common labor, and each one will operate some kind of machine which will do the work of from 2 to 50 common laborers.

In this connection it is important to note a recent development, consisting of a group of three cars—first of a flat or gondola car, carrying rails or other track material; next a flat car, as here illustrated, carrying a gasoline engine-driven boom crane mounted on rails, and, lastly, an empty gondola car. The crane mounted on its flat car can be moved to any point and can be clamped there to the track for unloading rails or track supplies, as shown herewith, or else to load scrap material into the last car.

The crane illustrated was built by the Universal Crane Company of Cleveland, with plant at Elyria, Ohio, for the



GASOLINE CRANE, WITH MAGNET, HANDLING RAILS.

Delaware & Hudson Railroad's maintenance department. It is equipped with generator and a 36-inch-diameter magnet made by the Ohio Electric & Controller Co. of Cleveland, Ohio.

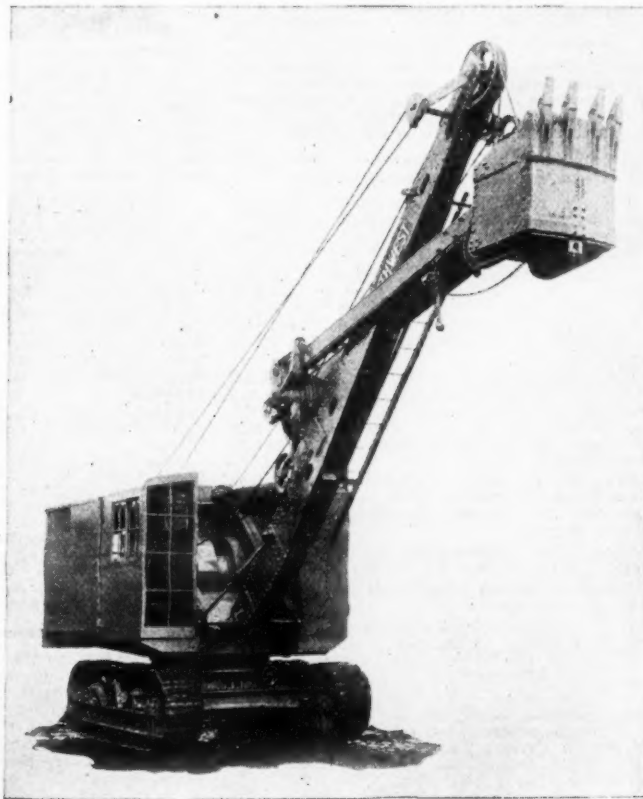
The gasoline engine is 44 horsepower, and if desired an A. C. or a D. C. 25-horsepower electric motor can be substituted. The magnet is energized from a $4\frac{1}{2}$ -kilowatt, 220-volt, D. C. generator, driven by a belt from the main engine, and the crane can be run over the car truck and geared to it so as to drive the flat car on which it is mounted. This would be handy for railroad yard work, as it would eliminate the need for a switch engine. The crane is of 5 tons capacity and the boom can swing clear around the circle. It is claimed that cost of operation is about \$15 daily.

It can be seen that here is no very large investment, yet an operator with one, or at most two, helpers can do work that formerly required a force of about 20 laborers with foreman, and also do it much more rapidly. It could, it is claimed, easily be shown that the cost of labor saved would pay for the entire equipment in less than a year.

Three-Sided Cab on Shovels, Etc.

A new refinement has been added to the already complete line of equipment of the Northwest Engineering Company, Chicago, Ill., who are among the world's largest exclusive builders of gasoline, electric and Diesel powered shovels, cranes and draglines. This addition is a three-sided cab, which hereafter will be standard equipment, but for those who desire a full enclosure a four-sided cab of extremely neat design is supplied.

A glassed-in front from floor to roof gives a clear vision of the work, and large windows on both sides permit a wide view from the operator's seat. There are wide doors at both sides of the cab for access to the mechanism. The windows



SHOVEL WITH NEW TYPE OF CAB.

at the sides and one at the rear assure plenty of light and all may be opened for the admission of air. The rear end is rounded to permit swinging in cramped quarters.

At night the cab may be locked and left without fear of tool thieves or meddlers, and it provides protection to both machinery and operator during bad weather, increasing the life of the machine and assuring an increase in output.

Big Turbo-Generator Installed Near Columbia.

Columbia, S. C., June 5—[Special.]—Weighing some 500 tons, the giant Westinghouse turbo-generator, the second unit of the Parr Shoals steam station of the Broad River Power Company, described in the MANUFACTURERS RECORD of March 1, has been set in place. This turbo-generator has a capacity of 30,000 kilowatts.

The two units in the development of this large electric system, serving central South Carolina, will furnish 50,000 horsepower of electrical energy this summer.

The city of Newport News, Va., has voted a bond issue of \$1,300,000 to purchase the water-works there.

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.

An asterisk (*) following an item indicates that the enterprise has been reported in a preceding issue.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers, and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$30.00 a year.

Bridges, Culverts and Viaducts

Proposed Construction

Ala., Mobile—Mobile County Board of Revenue and Docks Comm. receives bids July 7 for underpass at State Docks Comm.'s Belt Line R. R. crossing near bridge approach at Magazine Point, estimated cost \$28,945.

Arkansas—State Highway Comm. will build 2 bridges. See Roads, Streets, Paving.

Fla., Jacksonville—Duval County Commrs. plan paving with brick approaches to 9 bridges under construction; F. M. Edwards, County Engr.

Fla., New Berlin—Bay Shore Co., 32 W. Forsyth St., Jacksonville, plans bridge across Brown's Creek near New Berlin, being link in boulevard to be built by company from Main St. Coastal Highway to ocean beach.

Fla., St. Petersburg—Donovan & Sons, Sixth St. and Central Ave., Developers, plan free causeway from west end Central Ave., St. Petersburg, to gulf beaches, through Treasure Island development; approximate cost \$500,000.

Fla., St. Petersburg—City Comm. receives bids June 21 for bridges over creeks on Lakeview Ave.; Ernest Kitchen, Director of Public Works.

Fla., Tampa—Hillsborough County will build 2 bridges. See Roads, Streets, Paving.

Fla., Vero Beach—See Roads, Streets, Paving.

Ga., Atlanta—Fulton County Commrs., Edwin F. Johnson, Chmn., will let contract for bridge over Peachtree Creek on North Side Drive, cost \$30,000.*

Ga., Columbus—City, H. B. Crawford, Mgr., receives bids June 14 for 3 culverts: Reinforced concrete culvert in 13th Ave. at Weracoba Creek; 2-span, 17-ft., no bottom and triple 10x5x62-ft. box type culverts; plans from G. N. Mitcham, City Engr.

Ga., Moultrie—Colquitt County Commrs., Sam Harrell, Chmn., plan repairing steel bridge across Pilco Creek, Moultrie-Norman Park road.

Kentucky—State Highway Comm. will build 3 bridges. See Roads, Streets, Paving.

La., Coushatta—Red River Parish Bridge Co. plans bridge across Red River at Coushatta.

La., Homer—Louisiana Highway Comsn., Baton Rouge, receives bids July 1 for Leathemans Creek Bridge, 1 mi. south of Athens, on Arcadia-Homer Highway, Claiborne Parish, 120-ft. riveted through truss span, concrete floor, concrete abutments, 16,000 lbs. reinforcing steel, 104,000 lbs. fabricated structural steel; plans on file; W. B. Robert, State Highway Engr.

La., New Orleans—George A. Hero, 329 Tchoupitoulas St., and Allen S. Hackett, Whitney Bldg., New Orleans, plan 1850-ft. toll bridge across Mississippi River at New Orleans, estimated cost \$4,000,000 to \$5,000,000.

Md., Upper Marlboro—State Roads Comm., 601 Garrett Bldg., Baltimore, receives bids June 15 for one single 86-ft. span reinforced concrete arch bridge, with 40-ft. clear road, over Patuxent River on Baltimore-Washington Blvd. at Laurel, with necessary fill, etc.; John N. Mackall, Chmn.; L. H. Steuart, Sec.

Miss., Pascagoula—Jackson County Board of Supvrs., K. W. Burnham, Pres., plans bridges over Pascagoula and Escatawpa Rivers, at Pascagoula and Moss Point. See Financial News—Bond Issues Proposed.

N. C., Asheville—City Comm. plans about 1000-ft. Woodfin St. viaduct; Spoon, Lewis & Camp, Conslt Engrs.; Beacham, LeGrand & Gaines, Archts.

N. C., Winston-Salem—City, Board of Public Works, plans building bridges, cost \$25,000. See Financial News—Bond Issues Proposed.

S. C., Conway—Little Pee Dee Bridge Board, J. F. Harper, Chmn., receives bids June 16 for bridge and approaches on Little Pee Dee River at Potato Bed Ferry, 1500 lin. ft. creosoted timber bridges, 80,000 cu. yd. earth fill approaches; plans from Johnson & Roberts, Engrs., Marion.

Tenn., Chattanooga—Southern Ry. System, B. Herman, Ch. Engr., Washington, receives bids June 17 for viaduct at Third St. over tracks of 3 railroads; Robert Hooke, City Engr.*

Tex., Decatur—Wise County, S. M. Ward, County Judge, plans 129-ft. bridge across Big Creek, Highway No. 39, between Jack and Wise County, three 43-ft. concrete girders, four 31-ft. bents on timber piling, estimated cost \$15,200; Guy R. Johnston, County Engr., Jacksboro.

Va., Covington—See Roads, Streets, Paving.

Va., Roanoke—City, W. P. Hunter, Mgr., receives bids June 25 for 2 reinforced concrete arch bridges: Two 80-ft., one 180-ft. spans over Virginia Railway tracks at Jefferson St.; five 100-ft. and six 106-ft. spans over Virginian Railway tracks, Norfolk & Western tracks, and tracks of Roanoke Railway & Electric Co., Walnut St.; plans on file after June 7, and from B. H. Davis, Conslt. Engr., Whitehall Bldg., New York City.

Contracts Awarded

Fla., Jacksonville—City, Frank Brown, Clk., and Duval County Commrs. let contract to C. T. Dawkins, 15 Baldwin Bldg., Jacksonville, at \$26,975, for 2 bridges: Big Six Mile Creek and Trout Creek.*

Okla., Newkirk—Kay County Commrs. let contracts for 5 bridges, \$37,636; Pioneer Construction Co. for 4 bridges; George Sutherland, 1 bridge.

West Virginia—State Road Dept. let contracts for 5 bridges. See Roads, Streets, Paving.

Canning and Packing Plants

Fla., Mims—Acme Fruit Co., Fort Pierce, reported acquired Terwilliger Packing plant; will enlarge, install additional machinery.

Ky., Nicholasville—Simpson-Willis Lumber Co. has contract for plant for Kentucky Canning Co., Paris; frame, galvanized roof and siding; 48x150 ft.; 30x100-ft. sheds.

Clayworking Plants

Fla., Coral Gables—Florida Clay Products Corp., Ray Heald, V. P., will erect plant, Ponce de Leon Blvd. and Ave. Seville; 25x114 ft.; 2 stories, with oil burning and electric kilns in workshop in rear; capacity 10,000 tile weekly.

Miss., Handsboro—J. L. Holliman, Wiggins, interested in establishing brick manufacturing plant on Bayou Bernard.

Mo., St. Louis—A. P. Green Fire Brick Co., Railway Exchange Bldg., will issue 10-year 6% sinking fund gold notes, proceeds to be used to retire outstanding \$65,000 of preferred stock, pay off small current indebtedness and provide for improvements.

Coal Mines and Coke Ovens

D. C., Washington—Capital Coal Co., capital \$10,000, incorporated; Frank A. O'Neill, 1332 Wisconsin Ave. N. W.

Ky., Kayking—Cameo Coal Mining Co., A. B. Ewen, Pres., Whitesburg, has 900 acres under development; daily output 400 tons.*

W. Va., Huntington—Premium Coal Co., capital \$50,000, incorporated; Geo. W. Kilburn, Huntington; Miner Temple, Williamson.

W. Va., Huntington—Island Creek Coal Co., Fourteenth St., reported will expend \$250,000 in the Logan fields; let contract for 7½-mi. road to develop new mine, install latest mining machinery, etc., daily capacity 5000 tons; A. R. Beisel, Gen. Mgr., Logan fields.

Concrete and Cement Plants

La., Alexandria—The National Reinforced Concrete Slab Co., Inc., chartered; J. D. Pace, W. L. Brown.

Tenn., Cowan—Cumberland Portland Cement Co., W. V. Davidson, Pres., reported to begin erection of 2000 bbl. capacity, white and gray cement plant; let contract to Allis-Chalmers Manufacturing Co., Milwaukee, Wis., for principal machinery.*

Tex., San Antonio—Artificial Stone—Pianta, Inc., capital \$60,000, chartered; John D. Pianta, A. Gerodetti.

Cotton Compress and Gins

Ark., Portia—Portia Gin Co. incorporated; J. C. Childers, Portia, and S. E. Spikes, Walnut Ridge; erect cotton gin.

La., Alexandria—Rapides Compress & Warehouse Co., capital \$100,000, incorporated; K. H. Francis, W. D. Hill.

La., Keatchie—Keatchie Gin Co., capital \$15,000, incorporated; E. F. Schuler, J. E. Wyatt.

Miss., Inverness—Delta Gin Co., capital \$10,000, incorporated; H. P. Tolar, H. H. Baker.

Okla., Kingston—Kingston Gin Co., capital \$15,000, incorporated; J. W. Little, Quinton Little.

Okla., Muldrow—Hays Gin Co., capital \$12,000, incorporated; R. C. Hays, W. N. Mundry.

Tenn., Loudon—Loudon Ginning Co., S. P. Darnell, Pres., has cotton gin; will install 2 stand, 70 saw Murray high-speed gin, air blast; Murray Gin Co., Atlanta, Ga., Contrs.*

Tex., Galveston—Shipside Density Compress Co. reported acquired 15 blocks of land between 45th and 47th St. and Aves E and J; erect warehouse, storage capacity 300,000 to 400,000 bales cotton.

Tex., Larue—Larue Gin Co., capital \$15,000, incorporated; T. P. Murchison, E. C. Rowland.

Tex., Rochelle—Farmers Gin Co., capital \$15,000, incorporated; Arthur Mosely, D. A. Roper.

Tex., Texas City—G. E. Drewery, Sec. Shippers Compress & Warehouse Co., Dallas, reported interested in organizing cotton concentration company; take over and operate shipside high density press equipment, mono-rail conveyor system and warehouse.

Tex., Yoakum—Shiner Gin & Mill Co., capital \$20,000, incorporated; J. F. Smith, Wm. Green.

Cottonseed-Oil Mills

Ark., Camden—Camden Cotton Oil Co., J. L. Davis, Pres., Magnolia, reported acquired cotton oil mill; will improve and operate.

S. C., Anderson—The Lawton Interests, Bevin Brown, Sec., reported to expend \$50,000 for improvements to Citizens Oil Mill.

Drainage, Dredging and Irrigation

Fla., Melbourne—W. K. Seltz, City Mgr., advises surveys on Crane Creek for dredg-

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ment of yacht harbor being made through the engineering department of the city.*

Fla., Miami—See Miscellaneous Construction.

Tex., Brownwood—G. D. Crabtree, Sec., Chamber of Commerce, advises: "Are now making plans for construction of dam for irrigation system in Pecan Valley."*

Electric Light and Power

Large sums are being expended for electric light and power work in connection with Land Development operations. Details will be found under that classification.

Ark., Blytheville—Arkansas-Missouri Power Co. reported acquired holdings in Piedmont, Arcadia, Ironton, Bismark and Potosi; will probably increase generating capacity of power plant here.

Fla., Avon Park—Home Electric Co. has contract for installing white way along the Mall.

Fla., Jacksonville—J. N. Chase, W. R. Cole interested in installing white way system along Lake City Rd.

Fla., Riviera—Town let contract to Florida Light & Power Co., Miami, for installing 100-candlepower lights.

Fla., St. Petersburg—City, R. E. Ludwig, Director of Public Utilities, receives bids June 28 for installing white way system on Second St. and Fourth Ave. N.

Missouri—Missouri Hydro-Electric Power Co., Land Bank Bldg., Kansas City, advises that company will construct 3 dams located between Doniphan and Eminence on the Current River; preliminary work not completed, but thorough reconnaissance of river and study of stream flow has been made; cross sections of possible dam sites have been completed and dam sites acquired; company has permit from Federal Power Comsn., Washington, D. C. for development of water power on Current River.*

N. C., Asheville—West Asheville Club, S. D. Hall, Pres., Electrical Bldg., will install white way on Haywood Road.

N. C., Kernersville—City voted to sell electric power plant and transmission lines to Southern Public Utilities Co., Charlotte; will expend \$15,000 in improvements.

N. C., Norwood—Hardaway Contracting Co., Columbus, Ga., wires: "Contract executed with Carolina Light & Power Co., Raleigh, for dam and power house on Pee Dee River south of Albemarle; S. S. Scott will be superintendent of work, and S. T. Johns, Jr., engineer for contractor; up to this time no subcontracts have been made."

N. C., Randleman—North Carolina Public Service Co. reported constructing transmission line from Randleman to High Point, supplying villages and towns along line with power.

N. C., Walnut Grove—City plans completing electric and power system, water and sewer system. See Financial News—Bond Issues Proposed.

N. C., Wilmington—Tide Water Power Co. will install white way system.*

Okla., Canute—City votes June 22 on 25-year franchise to Southwestern Light & Power Co., Oklahoma City; may build 33,000 volt power line.

Okla., Wolf—Southwestern Light & Power Co., Oklahoma City, granted 25-year franchise; will construct 41 miles transmission line.

S. C., Williston—Edisto Public Service Co., Denmark, reported acquired power line from Williston to Aiken; furnish lights and power to Windsor, White Pond and other towns.

Tenn., Selmer—Southern Cities Power Co., Chattanooga, will probably acquire Selmer Distributing Plant, owned by W. C. Moore.

Tex., Fort Worth—Shotts Electric Co., 211 W. Fifth St., has contract for white-way light standards on Seventh St.

Tex., Shiner—City will erect \$10,000 building for electrical equipment, brick and concrete. Address The Mayor.

Tex., Vernon—City will install 360 h.p. Diesel engine direct connected to 300 kva., 2300 volt, 60 cycle, 3 phase alternator; H. D. Hockersmith, Mayor.

Va., Danville—J. L. Terry, 347 Madison Ave., New York; T. J. Smith, Cleveland, O., representatives of Appalachian Power Co., reported considering purchase of power plant.

W. Va., Huntington—City receives bids June 21 for monolite system on various streets. (See Machinery Wanted—Monolite System.)

W. Va., Spencer—City let contract to Spencer Water & Ice Co. for installing boulevard lights.

Flour, Feed and Meal Mills

Ga., Juliette—Juliette Milling Co., S. R. Jaques, 415 Broadway, and J. N. Birch, 235 High St., Proprs., Macon, will rebuild grist mill, burned at loss of \$150,000.

Md., Baltimore—Continental Milling Co., 313 S. Hanover St., incorporated; Morris Schapiro.

Tex., Fort Worth—West Grain Co. incorporated; Joe Collins, 2533 Willing St.

Tex., Houston—Saint & Co., Inc., 902 Dowling St., leased site adjoining building for probable expansion.

Foundry and Machine Plants

Ala., Gadsden—Plumbing Supplies—Stringer Bros., Inc., reported will erect foundry in East Gadsden, on east bank of Coosa River; first unit of four main buildings will be 200x200 ft., steel construction; total cost about \$1,000,000; manufacture cast iron soil pipe, plumbing specialties, etc.; soon let contract.*

Mo., Joplin—Mining Machinery—Butchart Manufacturing Co., capital \$100,000, incorporated; W. A. Butchart, Fred E. Ahnert.

Tenn., Kingsport—Kingsport Foundry & Machine Works, J. B. Burger, Mgr., will soon begin construction of additional buildings, 30x25-ft. office building, 80x180-ft. and 80x40-ft. foundry; remove machinery from lately acquired plant at Marion, Va.*

Tex., Fort Worth—Eugene Laundry Machine Co., capital \$15,000, incorporated; A. L. Jackson, Farmers & Mechanics Bldg.

Tex., Houston—Kinzbach Tool Co., Inc., capital \$10,000, chartered; F. Kinzbach, 1214 Wrightwood St.

Tex., Mirando City—Mirando Iron Works, capital \$10,000, incorporated; A. C. Summers, W. G. Vreeland.

Gas and Oil Enterprises

Ark., Emmett—Arkansas Natural Gas Co., C. W. Kramer, Supt., Shreveport, La., reported to construct gas compressor plant.

Ark., Magnolia—Arkansas Natural Gas Co. has franchise; will install transmission line from Caddo fields at Lewisville to Magnolia.

Ky., Louisville—Louisville Petroleum Refining Co., Wm. M. Mitchell, Pres., Inter-Southern Bldg., is erecting \$50,000 cracking unit, tube still type, 2 Dubbs cracking units with complete steel tankage, steam plant, treating plant, railway tracks, capacity of tanks ranging from 800 bbls. to 55,000 bbls.; plant pipe lines only, estimated 12 to 15 miles; construction by owners.*

La., Shreveport—Tunica Petroleum Co., Inc., chartered; James E. Smitherman, Commercial Bank Bldg.

Mo., Joplin—White Way Oil Co., incorporated; E. A. Olson, 830 Chestnut St.

N. C., Wilmington—See W. Va., Charleston.

Okla., Ardmore—Southern Oklahoma Royalty Co., incorporated; Fred R. Parks, W. Henry Potter.

Okla., Sapulpa—Pontiac Oil Co., capital \$40,000, incorporated; L. B. Fitzhugh, Lucien B. Wright.

Okla., Tulsa—Richmond Gasoline Co., Inc., capital \$30,000, incorporated; B. J. Arbon, Cosden Bldg.

Tenn., Memphis—Kendall Oil Co., capital \$100,000, incorporated; F. P. Kendall, 31 Porter Bldg.

Tenn., Memphis—Memphis Power & Light Co., Wm. A. Dunkley, Supt., is extending 6-in. gas main from East Parkway of Memphis to west boundary of Chickasaw Gardens subdivision; later plans gas distribution system forming network consisting of 1810 ft. of 6-in. cast-iron main, 12,450 ft. of 4-in. cast-iron main and 10,800 ft. of 2-in. steel main.*

Texas—Texas Co., San Jacinto St. and Rusk Ave., Houston, reported acquired control of Southwestern Petroleum Co.; Midland Securities Co. negotiated deal.

Tex., Amarillo—Katy Oil Co., capital \$150,000, incorporated; H. O. Barber, H. S. Durham.

Tex., Amarillo—Alaska Petroleum Co., capital \$130,000, incorporated; George Pennington, W. P. Mahon.

Tex., Amarillo—Nabob Oil & Gas Co., capital \$150,000, incorporated; W. O'Brien, J. L. Sullivan.

Tex., Dallas—Viking Royalty Corp., capital \$10,000, incorporated; C. F. Anderson, 3825 Gillon St.

Tex., Hillsboro—Paul Petroleum Co., capital \$20,000, incorporated; J. T. Lawless, H. H. Simmons.

Tex., Lockhart—Magnolia Petroleum Co., Dallas, reported acquired United North and South Oil Co.

Tex., Lubbock—A. J. McMahan, Insurance Bldg., Oklahoma City, Okla., reported interested in constructing natural gas pipe line from Amarillo to Lubbock, 125 miles.

Tex., San Antonio—Cottle Oil Co., capital \$40,000, incorporated; F. L. Hillyer, 111 E. Craig Place.

Tex., San Antonio—Frank P. Carle, 805 W. Russell Place, is organizing company to erect shale distilling works; will mine shale and distill for oil.

Tex., San Antonio—Columbia Petroleum Co., capital \$500,000, incorporated; J. K. Davis, Jr., City Natl. Bank Bldg., San Antonio.

Tex., San Antonio—San Texas Oil Co., incorporated; R. L. Ball, 340 E. Kings Highway.

Tex., Wichita Falls—Four Oil Co., capital \$28,000, incorporated; C. B. Long, First National Bank Bldg.

Tex., Wichita Falls—D. A. Upham, Pres., Upham Gas Co., reported let contract to Hope Engineering & Supply Co., Mt. Vernon, Ohio, for constructing gas line between Wichita Falls and Wheeler County gas fields.*

W. Va., Charleston—American Oil Co., general offices Baltimore, Md., reported acquired properties of Transcontinental Oil Co. in Charleston, Follansbee, W. Va., and bulk station and service station of Indian Refining Co., Charlotte, N. C.; is locating ocean terminal at Wilmington, N. C.

W. Va., Clarksburg—Mack-Bell Oil & Gas Co., capital \$10,000, incorporated; Leo P. Caulfield, Union Bank Bldg.

W. Va., Parkersburg—Pinnacle Oil & Gas Co., capital \$25,000, incorporated; R. G. LeGouillon, 308 Juliana St.

Ice and Cold-Storage Plants

La., Alexandria—Louisiana Ice & Utilities, Inc., Wiley F. Corl, Pres., purchase and consolidate under one management ice and utilities properties located in Louisiana, Mississippi and Texas; also ice and reicing cars for following railroads: Missouri Pacific, Texas & Pacific, Gulf Coast Lines and the American Refrigerator Transit Co.; operates electric light and power plants in three communities; will issue \$2,000,000 bonds.*

Miss., Bay Springs—City State Investment Co., 128 N. Wells St., Chicago, Ill., acquired building, installing 8-ton capacity ice plant, water works system, etc.

Miss., Purvis—City State Investment Co., 128 N. Wells St., Chicago, Ill., reported, building and installing 10-ton capacity Carbondale ice plant.

Mo., Poplar Bluff—Marshall Mott, Box 25, Blytheville, Ark., contemplates installing 4½-ton refrigeration plant. (See Machinery Wanted—Refrigeration Plant.)

Okla., Muskogee—Southern Ice & Utilities Co., James Allen, local Mgr., plans establishing six cash and carry ice stations; opened second plant at D and Broadway.

Tenn., Columbia—Columbia Ice & Cold Storage Co. let contract to Roy Alford for new ice depot on S. Garden St.

Tex., Greenville—Southern Banana Co., J. S. Brice, Mgr., Boykin Bldg., improving plant, install icing and refrigerating plant.

Tenn., Jackson—Beare Ice & Coal Co., 255 W. Lafayette St., advises plans for new plant will be furnished by York Products Corp., 119 S. 11th St., St. Louis, Mo.; machinery will be electric driven, furnished by York Products Co.*

Tex., San Antonio—See Miscellaneous Enterprises.

Iron and Steel Plants

Va., Pulaski—Robert E. Baker, 2558 Derbyshire Rd., Cleveland, Ohio, and associates, reported will establish steel plate and structural steel fabricating shop, including manufacture of electrically-operated steel cars; erect first unit, 107x150 ft., steel and concrete building, equipped with 2 runway cranes, one 140-ton and one 10-ton capacity; cost between \$100,000 and \$150,000.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Land Development

Ala., Anniston—Choccolocco Sportsmen Club will develop 60 acres for club; build lodges, camps, 400x60-ft. dam, lake, etc.

Ala., Anniston—Fred Lucy and Cary Lay, Gadsden, will develop 25 acre lake for fishing, boating, artificial basin.

Ala., Birmingham—Dr. W. W. Walker, 3440 Norwood Blvd., and R. A. Walker, 3817 N. 27th St., interested in development of golf course in North Birmingham.

Ala., Florence—Florence Golf and Country Club, H. L. Reeder, Chrmn., is developing 107 acres for golf course and club; install water supply.

Ala., Northport—See Water Works.

Ark., Fayetteville—P. R. Green, 527 N. College Ave., will develop 200 acres for fruit farm and poultry farm; erect farm buildings; owner builder.*

Ark., Hot Springs—Hot Springs Golf & Country Club, Harry A. Jones, Pres., 119 Park St., has 254 acres, acquired additional 147 acres for future development of 18-hole golf course; will not begin construction for year.*

Ark., Van Buren—R. M. Smith, H. J. Hicks interested in developing golf course.

Fla., Avon Park—City plans bond issue for park at Skippers Point. See Financial News—Bond Issues Proposed.*

Fla., Deland—Thomas Bros. & Heebner, office opposite Hotel Putnam, are developing Lake Beresford Shores subdivision; install water, sewers, roads, electric lights.

Fla., Key West—The Caribbean Co., Inc., J. B. Taylor, Sec., 221 W. 105th St., New York, has 45,000 acres at Isle of Pines off Key West; develop for resort and hotel.

Fla., Lakeland—City voted bonds for developing civic center on Mirror Lake; improve other lakes and extend sewer system. See Financial News—Bond Issues Proposed.

Fla., Orlando—Orlando Memorial Assn., Inc., 250 S. Orange Ave., Walter E. Williams, Pres., will develop 40 acres for memorial burial park; clear land, grade roads and runways, construct water sprinkling system, landscaping, building of mausoleum, several fountains, ornamental entrance; A. D. Taylor, Landscape Archt., Woolworth Bldg., Orlando. (See Machinery Wanted—Pumps (Water); Sprinkling Supplies; Clearing and Grading Equipment; Lawn Mowers; Landscaping Tools.)

Fla., Pensacola—E. P. Lane, 18 E. Belmont St., will develop Lane City subdivision, including tourist camp.

Fla., Tampa—Lynn Glover, Washington, D. C., reported acquired 12,000 acres Polk County land bordering on Lakes Kissimmee, Tiger and Walk-in-the-Water; develop for agricultural, citrus, subdivisions, canning and packing plants.

Fla., Venice—B. L. E. Realty Corp., Geo. T. Webb, V. P., is developing complete city, installing sewers, lights, paving, railroad, harbor, drainage, canals, etc.; deep-well pumping plant, storage reservoir and water tower, about 18 miles of 10, 8, 6 and 4 in. cast iron pipe; machinery now installed includes hydraulic dredge, draglines, showels, tractors, graders, pavers, etc.; Geo. A. Fuller Co., New York, and News Tower Bldg., Miami, is general contractor; contractor purchases machinery as needed; M. E. James, Supervising Engr., Venice.*

Ga., Atlanta—Nacoochee Valley Development Co., capital \$100,000, incorporated; Grover C. Long, Cecil Hotel; develop 1000 acres for mountain resort.

Ky., Ashland—W. G. McDowell, Mgr. Ashland Estates, is developing subdivision; let contract to W. T. Congleton & Co., Third and Walton Sts., Lexington, for road; will install sewers, gas, electric lights; concrete paving and sidewalks.

Ky., Lexington—Dr. Samuel H. Halley, Leestown Pike, and Wm. Preston, Sherman Ave., are developing 20 acres for subdivision; install water, sewers, curbs and sidewalks, park entrances, gas and electric lights; expend \$45,000; Warfield Gratz, 133 N. Limestone St., and Robt. W. McMeekin, 608 Trust Co. Bldg., Archts.; Louis desCognets & Co., 413 E. Main St., Contr.; J. White Guyn, Guaranty Bank Bldg., Constr. Engr.

Ky., Louisville—Consolidated Realty Co., C. C. Heatt, Pres., 231 S. Fifth St., increased capital, \$1,250,000 to \$6,000,000.

Ky., Valley Station—Karrick Realty Co., capital \$20,000, incorporated; A. E. McCoy, C. J. Purcell.

La., Alexander—Pressburg Realty Co., capital \$20,000, incorporated; Sol B. Pressburg, Jake B. Pressburg.

La., New Orleans—Maymar Realty Co., capital \$25,000, incorporated; Peter Stankoffich, 1512 General Pershing St.

La., New Orleans—Constant Greco, 232 N. Rampart St. and others will develop 428 acres in St. Charles County.

La., New Orleans—John Riess, Carondelet Bldg., has contract for subdivision at Livingston in Metairie Ridge; install sidewalks, water, sub-surface drainage, paved and gravel streets; cost \$65,000; Frank H. Waddill, Tulane-Newcomb Bldg., Engr.

La., New Orleans—Universal Realty Co., Inc., incorporated; Louis Levin, 3826 Jena St.

La., New Orleans—Twin City Development Co., Inc., chartered; Wm. K. Rust, Irvin C. Erickson.

La., New Orleans—Miss-Orleans Land Co., Inc., capital \$50,000, incorporated; Chas. Roth, 338 Carondelet St.

La., New Orleans—Ravenwood Planting Co., capital \$50,000, incorporated; Jno. D. Nix, Marine Bldg.

La., New Orleans—Summit Realty & Investment Co., capital \$25,000, incorporated; Jos. Rosenberg, Carondelet Bldg.

La., New Orleans—Barard Realty Co., Inc., capital \$75,000, incorporated; S. J. Schwartz, Union Indemnity Bldg.

La., New Orleans—Own A Home Realty Co., capital \$10,000, incorporated; Wm. L. Donnels, Pres., 4960 Franklin Ave.

Md., Baltimore—Gray Manor Realty Co., 1107 Continental Bldg., incorporated; Marlon G. Dinsmore.

Md., Baltimore—Severn Homes, Inc., 410 St. Paul St., incorporated; Herbert C. Metcalfe.

Md., Baltimore—Harry E. Gilbert, 2 E. Lexington St.; Foster T. Fenton, 337 St. Paul St., reported acquired 52 acres on Poplar Hill Rd.; install water, sewers, electric lights, gas.

Md., Bethesda—The Morse-Goodnow Co., Vermont Bldg., Washington, D. C., will develop subdivision; install water, streets, sewers, gas, electricity.

Miss., Hattiesburg—Travis H. Boykin and Lauther A. Smith are developing subdivision on Normal Heights; install water, sewers, electric lights, gas; J. L. Wheeler, Engr.; E. A. Finch has contract for streets and drainage; Myers Construction Co. will lay water and sewer mains.

Miss., Ocean Springs—H. L. and M. J. Girot are developing 60-acre subdivision; install concrete sidewalks, curbs, gutters, water mains, double driveway, 0-ft. gravel boulevards; expend \$27,000; Southern Building & Construction Co., Contrs., Biloxi; K. L. Swinney, Consol. Engr., Biloxi; Mrs. M. J. Girot, Landscape Archt.*

Miss., Pass Christian—Pass Christian-Chicago Land Co., Carl L. Schmidt, 30 La Salle St., Chicago, Ill., and associates will develop Pass Christian Isles subdivision; expend \$500,000; construct seawall along Bay St. Louis frontage; dredge Bayou Boisore and other waterways, channels, pave streets; water, sewers, electric lights.*

Miss., Piquette—Charles Roth of Roth & Rosenberg, 338 Carondelet St., New Orleans, La., and associates reported to develop subdivision.

Mo., Cassville—Ross E. Burns, Tulsa, Okla., reported acquired resort on Roaring River; will organize \$250,000 corporation and develop; enlarge hatchery, construct dam for third lake, erect hotel.

Mo., Eminence—Current River Park Assn. incorporated; W. R. Shuck, 227 Frisco Bldg., Joplin; develop resort.

Mo., Springfield—State Savings Trust Co., C. A. Ferguson, V. P. and Treas., is developing 100 acres for University Heights addition; pave about 6 miles streets, install sewers; estimated cost \$125,000; J. F. Sawyer, Archt., care State Trust Co.*

Mo., St. Joseph—John Westpheling Realty Co., incorporated; John Westpheling, 1501½ Frederick St.

Mo., Kansas City—Capitol Investment Co. incorporated; John A. Moore, 3735 Paseo St.

Mo., Kansas City—H. R. Ennis Real Estate & Investment Co., 615 Continental Bldg., will develop 100 acres south of Fairmount Park for subdivision.

Mo., Kansas City—Vernon Investment Co., capital \$50,000, incorporated; Arthur J. Elliott, 704 E. Forty-seventh St.

Mo., St. Louis—Lavasco & Rassieur, Inc., chartered; Sam Lavasco, Wm. Rassieur, Federal Commerce Trust Bldg.

Mo., St. Louis—H. M. Schmitz Realty Co., 802 Chestnut St., developing subdivision.

Mo., St. Louis—J. Mack Vaughn, capital \$50,000, incorporated; J. Mack Vaughn, 6434 Ridge St.

Mo., St. Louis—Oakdale Realty Co., incorporated; Ida Meyers, 7116 Tholozan St.

Mo., St. Louis—Miami Realty Co., capital \$25,000, incorporated; Richard Mederacke, 4430 Arsenal St.

Mo., St. Louis—Bramble Realty Co., capital \$35,500, incorporated; Charles E. Rels, 5812 Michigan Ave.

Mo., St. Louis—Mederacke Realty & Investment Co., capital \$25,000, incorporated; Richard Mederacke, 4430 Arsenal St.

Mo., St. Louis—Smith-Vangelos-McCambridge-Florian Co., capital \$20,000, incorporated; E. H. Smith, 4122 MacRee St.

Mo., St. Louis—Metropolitan Realty Corp., capital \$150,000, incorporated; Wm. H. Niederlof, 4935 Wieschan St.

Mo., St. Louis—Evan Babcock Investment Co., capital \$25,000, incorporated; John E. Meyer, 3911 Shaw St.

Mo., St. Louis—Geyvois Realty Co., capital \$50,000, incorporated; W. L. M. Clark, 6965 Delmar St.

N. C., Asheville—Malvern Park, Inc., capital \$100,000, incorporated; A. R. Both, J. C. Joyner.

N. C., Asheville—Arthur M. Griffing, Dixie Highway, Miami, Fla., and Asheville, reported acquired 500 acres adjoining Grove Park; develop Miami Heights subdivision; N. W. Dendy, Sales Mgr., Haywood St.

N. C., Asheville—Asheville Developers, Inc., F. Russell Smith, Pres., Norwich, Conn., are developing Fontainebleau subdivision on Lake Kenilworth; C. P. Freeman, Engr. in charge of developments.*

N. C., Asheville—The Knolls, Inc., incorporated; J. S. Nelson, J. Flamant.

N. C., Asheville—Log Cabin Estates, Inc., chartered; Richard Crawley Lee, Walter N. Watts; will develop 650 acres along Spring Creek; install water, sewers; electric lighting plant; construct lake; build log cabin type hotel.

N. C., Asheville—Floyd Bryam, 10 Church St., is developing subdivision at Sulphur Springs Park on Haywood Rd.; construct dam and lake; build roads and streets; R. M. Ramsey, contractor for dam; K. E. Hendricks, Engr., 72 Henrietta St.; Wilson Bros., contracts for streets and grading.

N. C., Asheville—Southern Club, temporary offices 3011 Brook Rd., Richmond, Va., incorporated; Fairfax Harrison, Belvoir, Va.; Oscar Dowling, New Orleans, La., and associates; acquired 7000 acres on Black Mountain Highway; reported to expend \$500,000 for development of club, golf course, tennis courts.

N. C., Brevard—French Broad Park, Inc., T. J. Salter, Pres., Montgomery, Ala., will develop 140 acres for summer resort; build cottages, install water, lights and sewers.*

N. C., Charlotte—Beattys Ford Road Development Co., capital \$100,000, incorporated; W. A. Hawkins, Charlotte; J. Frank Houston, Huntersville.

N. C., Glenville—Glenville Park Estates, Inc., capital \$100,000, incorporated; Richard T. Hamilton, Joe Barrett.

N. C., High Point—O. E. Mendenhall Co., capital \$100,000, incorporated; O. E. Mendenhall, D. C. Macrae.

N. C., Hillgirt—Stoney Mountain Park Corp., capital \$125,000, incorporated; F. W. Furn, David H. Baier.

N. C., Lilesville—Welika Lake Co., capital \$150,000, incorporated; H. B. Massasee, H. J. Wall.

N. C., Raleigh—Carolina Orchards, Inc., capital \$100,000, incorporated; Bryan C. Williams, Commercial Bank Bldg.

N. C., Weaverville—S. M. Alsbrook, Hollywood, Fla., reported acquired Hamburg Mountain; will subdivide 100 acres; erect tourist hotel; grade concrete road; expend \$100,000; J. Robert Regan, Engr.; H. Harry Weaver, grading contractor.

Okla., Oklahoma City—Edgemere Development Co., Sam Levy, Pres., will develop 275 acres in Northtown; install water, gas, sewers.

Okla., Wewoka—Sherritt & Parker will develop 30 acre subdivision; install gravel streets, sidewalks, sewer and water mains; cost \$120,000; A. C. Davis & Sons, Archts., Shawnee. (See Machinery Wanted—Gravel and Sand; Cement; Lumber.)

Tenn., Chattanooga—Kenner Real Estate Co., Inc., 18 E. Eighth St., has 1300 acres on Raccoon Mountain; will develop 450 acres for summer homes; construct roads and streets; expend \$250,000.*

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Tenn., Chattanooga—Mountain Estates Co., 700 Cherry St., capital \$40,000, incorporated; G. R. Short, Allen Watson, Miami, Fla.; develop 2000 acres on Suds Creek Mountain.

Tenn., Columbia—Berley Winton acquired 40 acres; will develop.

Tenn., Erwin—Unaka Development Co., capital \$50,000, incorporated; R. W. Lawson, S. T. Duncan.

Tenn., Johnson City—J. A. Watkins, 271 Montford Ave., Asheville, N. C., and associates reported acquired 50 acres on W. Market St.; will develop; install water, sewers, roads and streets; electric lights.

Tenn., Knoxville—City will probably develop Chilhowee Park for playground. Address The Mayor.

Tenn., Lenoir City—James L. Boggs will develop subdivision; install city water and lights.

Tenn., Memphis—L. P. Brown, Jr., and T. H. Baker, both Cotton Exchange Bldg., acquired 700 acres near White Station; will subdivide.

Tenn., Memphis—Country Club Estates, capital \$40,000, incorporated; T. H. Baker, Cotton Exchange Bldg.

Tenn., Shelbyville—Hutton Realty Co., capital \$75,000, incorporated; Sarah M. Hutton, J. D. Hutton, Jr.

Tex., Alice—L. B. Griffith, 1111 Fourth St., Corpus Christi, will develop 22 acres.

Tex., Amarillo—Lamb Land Co., capital \$24,000, incorporated; E. C. Lamb, J. M. Cook.

Tex., Beaumont—Forest Lawn Memorial Park, Box 845, D. E. Leach, Sec., has 50 acres; will develop 25 acres for cemetery; construct community mausoleum, office building, 2 residences and garage; fencing and grading; expend \$500,000; H. J. Ricker, Landscape Archt., Crosby Hotel.*

Tex., Dallas—Dallas Realty and Loan Co., capital \$10,000, incorporated; J. Lee Costley, 3712 Rawlins St.

Tex., Denton—City Park Board, W. C. Edwards, Sec., will develop 30 acres for park, install general park improvements; Maj. E. A. Wood, Archt., Dallas; H. J. Brewster, Construction Engr.; Tom Foster, Landscape Archt.*

Tex., Fort Worth—City plans expending \$50,000 for acquiring sites for parks in Riverside and Rosen Heights; George Clarke, Park Supt.

Tex., Galveston—Cedar Lawn Co., incorporated; W. D. Haden, 3028 O St.

Tex., Galveston—City and various parties interested in development of group of cemeteries; construct cement and asphalt driveways, cement walks, ornamental brick walls, cement curbs, rest room, iron gates; work under direction of City Engineer; E. R. Cheeseborough, City Sec.

Tex., Houston—Chestnut Realty Co. incorporated; L. R. Erwin, 520 Peden St.

Tex., Houston—Houston Realty Syndicate, capital \$35,000, incorporated; J. H. Rafferty, W. University Place.

Tex., Houston—Rauch Realty Co., capital \$15,000, incorporated; S. Rauch, Scanlan Bldg.; develop subdivision.

Tex., Pearsall—Winter Gardens, Inc., 407 Texas Bank Bldg., San Antonio, will develop 200 acres for shallow irrigation; has 800 acres under cultivation; drill wells and clear land, erect small farm houses, outhouses and barns.

Tex., San Antonio—E. W. Appedole will develop 95 acre subdivision near Fredericksburg Rd.; install water, sewers, electric lights, roads and streets.

Tex., Sherman—Burr Martin, Dallas, will develop tract into five to ten acre farms.

Tex., Waco—Castle Heights Co., capital \$80,000, incorporated; W. T. Herrick, 1700 West Ave.

Va., Abingdon—Southwest Investment Co., capital \$50,000, incorporated; George F. Grant, S. F. Hurt.

Va., Blackstone—Southside Virginia Investment Co. incorporated; T. E. Chambers, J. M. Buck.

Va., Norfolk—Cherry Ridge, Inc., capital \$50,000, incorporated; V. W. Emory, Manchester Ave.

Va., Norfolk—Seafrost Realty Co., capital \$50,000, incorporated; W. R. Boutwell, Royster Bldg., Norfolk.

Va., Richmond—Windsor Farms, Inc., capital \$3,000,000, incorporated; T. C. Williams,

Jr., 1113 E. Main St.; develop townsite on Cary St. Rd.; expend \$2,000,000; Allen J. Saville, Windsor Farms, in charge of operations.

Va., Roanoke—Ideal Investment Corp., capital \$15,000, incorporated; W. A. Ingram, S. G. Vestal.

Va., Winchester—George C. Loomis, 2812 36th Place N. W., and Dr. W. A. Richeson, Washington, D. C., reported to develop 7000 acres of mountain land for subdivision.

W. Va., Fairmont—View Point Cemetery Co., incorporated; F. P. Reese, Bert L. Talkington; develop cemetery on Mod's Run; E. C. Stiles and A. W. Smith Co., Landscape Archts., Pittsburgh, Pa.

W. Va., Huntington—Burial Park Corp., Dave Gideon, 417½ Ninth St., acquired additional acreage for extensions and improvements to Woodmere Burial Park; construct ornamental entrance, rest room, crematory, etc.

Lumber Enterprises

Ark., Madison County—W. G. Barron Post Co. of Fayetteville, Ark., acquired 2700 acres timber land; erect two mills, one on the Eureka Springs Highway and one on the Fayetteville highway.

Fla., Frostproof—Townsend Sash, Door & Lumber Co., J. F. Townsend, Lake Wales, has acquired lumber yard from L. N. Woodward; also have yard at Avon Park and Sebring.

Ga., Columbus—Electric City Lumber Co., Willard Cooper, Pres., erecting plant, including dry kiln, dry sheds, planer shed and dry sheds for dressing, installing \$15,000 machinery, all purchased; total expenditure about \$40,000.

Ga., Hawkinsville—Stockholders of Clinchfield Lumber Co. have purchased saw and planing mill outfit at Hawkinsville, will operate as Crane-Hanes Lumber Co., Joe Crane, Pres.; O. F. Davis, Mgr.*

La., Arabi—St. Claude Lumber Co., Inc., F. J. Bopp, Sec., New Orleans, will erect new plant, 85x400-ft. sheds, frame composition roof; estimated cost \$10,000; install \$5000 equipment.*

La., New Orleans—W. W. Carre Lumber Co., Inc., chartered; D. Beach Carre, 901 S. Jeff Davis Pkwy.

La., New Orleans—Salmen Lumber & Building Material Co., Inc., chartered; E. O. Creasap, 811 Louisiana Bldg.

La., New Orleans—Madison Lumber Co., Inc., chartered; Geo. Dendinger, 1632 Pine St.

La., Oak Grove—E. L. Bruce Company, Memphis, Tenn., let contract to Carliss Well Co., Front and Gayoso Sts., Memphis, for well and Cook strainer.

Miss., Belmont—Belmont Planing Co. incorporated; J. E. Stephens, M. P. Haynes.

Miss., Fulton—Fulton Planing & Lumber Co., capital \$10,000, incorporated; W. D. Brown, Fulton; A. A. Miller, F. Payne, Ala.

Miss., Gulfport—Service Lumber Co., Inc., S. M. Winder, Sec., Twenty-ninth Ave., let contract to G. W. Hall, 28th St., for 2-story, 64x100-ft. plant, frame, composition roof; install trimmer, universal machine and surfacer. (See Machinery Wanted—Woodworking Machinery).*

Miss., Waynesboro—Mississippi Hardwood Co., A. H. Rose, Mgr., Meridian, establish branch lumber yard.

S. C., Badham—Dorchester Lumber Co., V. C. Badham, Mgr., will rebuild burned plant, erect 62x150-ft. sawmill, 4 or 5 dry kilns, complete planing mill sheds, etc., wood floors, corrugated metal roof, estimated cost \$50,000 to \$75,000; construction by owners; install machinery, including two 6x15-in. high-speed round cylinders, planers, double-profilers, three 8-in. outside molders, double 70-in. fan and blower system, 54-in. band resaw, 300 prs. 6-in. dry kiln trucks, 5-in. channel, 8-in. wheels, etc. (See Machinery Wanted—Roofing (Corrugated Iron); Saw Mill Equipment; Blower System; Engines; Dry Kilns).*

Tenn., Athens—Tom Sherman reported acquired the Rayl Lumber Mill; will remodel and operate Sherman Lumber Co., Tom Sherman, Pres., advises: "No new buildings, increased capital to \$50,000." (See Machinery Wanted—Lumber.)

Tex., Combes, mail Harlingen—Cameron County Lumber Co., capital \$45,000, incorporated; J. W. Richards, R. C. Allis.

Tex., Houston—Blalock Lumber Co., 3219

Leeland St., let contract to Henry Bentele for new sheds, one 40x50 ft. and one 24x40 ft., 2-story, wood frame, pine floors, built-up tar and felt roof; bids open for equipment.*

Va., Fredericksburg—Lumber Products Co., Inc., capital \$100,000, chartered; Lewis Dill, Pres., Keyser Bldg., Baltimore, Md.; Edgar M. Young, Sec., Fredericksburg.

Va., Lynchburg—Massie Lumber Co., Inc., Peoples Natl. Bank Bldg., changed name from Massie-Morrison Lumber Co., Inc.

Va., Suffolk—Montgomery Lumber Co. will rebuild plant, burned at loss of \$150,000.

W. Va., Princeton—Brown Brothers Lumber Co., capital \$100,000, incorporated; C. E. Brown, Princeton; A. E. Bivens, Bluefield.

Mining

Ark., Little Rock—Big Rock Stone & Material Co., formed by consolidation of Big Rock Stone & Construction Co., 111 Center St., and the Southern Material & Construction Co., Southern Trust Bldg., W. W. Dickinson, Pres., will operate the stone crushing plant at Big Rock and sand plant at foot of Ashley St.

Mo., Joplin—A. J. C. Mining Co., capital \$25,000, incorporated; R. W. Cunningham, J. S. Newman.

N. C., Asheville—West Asheville Granite Stone & Sand Co., capital \$100,000, incorporated; James H. Buckner, 337 Waynesville Ave.

Okl., Zineville—Prater Hill Lead & Zinc Co., Box 17, has 160 acres under development.*

Tenn., Loudon—Loudon Sand & Gravel Co., capital \$12,000, incorporated; S. P. Dannel, Sam Wilson.

Tex., Blue Ridge—Texas Salt Mine Co. reported developing salt deposits, daily output 150 tons rock salt; The Foundation Co., 120 Liberty St., New York City, sinking shaft to depth of 225 ft., 30-ft. dam; estimated expenditure \$500,000.

Tex., Houston—Bedford-Carthage Stone Corp., capital \$30,000 chartered; R. M. Amrine, 2921 Jackson St.

Miscellaneous Construction

Ala., Mobile—Alabama State Docks Comn., Box 304, received low bid from Doullut & Ewin, Inc., 300 Queen and Crescent Bldg., New Orleans, La., at \$478,152 for Pier No. 1 project; concrete apron wharf construction.*

Ala., Mobile—Gulf Barge & Towing Co., R. Herndon Radcliffe, Pres., Palmetto St., acquired additional river front property; install \$50,000 new equipment to handle sand and gravel, install 200-ft. steel crane and unloader and construct additional storage bins.

Fla., Howey—Town will construct mile long sand beach on Little Lake Harris, also other improvements, estimated cost \$300,000. Address City Mgr.

Fla., Miami—Bulkhead—Shoreland Co., Hugh M. Anderson, Pres., 125 E. Flagler St., will soon begin bulkheading for Miami Shores Island, on east side of Biscayne Bay, part of the 2800-acre Miami Shores development.*

Fla., Miami—United States Dist. Engineer, Col. Mark A. Brooke, Jacksonville, will open bids June 24 for widening and deepening the Miami ship channel to depth of 25 ft., remove about 2,498,040 cu. yds., extend jetties, etc., estimated cost \$1,605,000; Gen. Harry Taylor, Chief of Engrs., 3710 Ingomar St. N. W., Washington, D. C.*

Fla., Palmetto—Docks—City will enlarge municipal docks from 100 to 200 ft. Address City Clerk.

Fla., Pompano—Race Course—Thomas B. Cromwell, Room 200, Phoenix Hotel, Lexington, Ky., and associates, interested in building race course, acquired 180 acres; reported cost nearly \$1,000,000.

Fla., Stuart—Incinerator—City Comn. will expend \$19,000 for incinerator plant; probably award contract to The Nye Odorless Crematory Co., Georgia Life Bldg., Macon, Ga.

La., Lake Charles—Lake Charles Harbor & Terminal Comn. received low bid from Knapp & East, Kaufman Bldg., at \$41,581 for construction of two steel warehouses, 300 ft. long, 70 ft. wide, type C Johns-Manville roof; Elmer E. Shuts, Engr., 921½ Ryan St.*

N. C., Raleigh—Memorial Tower—William Henry Deacy of the Presbrey-Leland Co., 681 Fifth Ave., New York City, designing carillon with 47 bells, to be erected as memorial

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tower; 125 ft. high. Mount Airy granite, estimated cost \$125,000.

Okl., Tulsa—Mausoleum—Rose Hill Cemetery Assn. reported will erect mausoleum in Rose Hill Cemetery, capacity about 700 crypts, 140x70 ft., exterior to be smooth face granite, the interior poured concrete, heavily reinforced with steel and faced with velvet finish marble; space for chapel equipped with pipe organ, altar, etc.; Cecil E. Bryan of Long Beach, Cal., Builder.

Tex., Galveston—Terminals—Geo. Sealy, V-P, Galveston Wharf Co., let followin' contracts for completion of Mallory Line docks; to Wm. Moore & Co., Texas City, for concrete pilings; to Black Hardware Co., 2217 Avenue B, for steel for structure; bulkhead nearing completion.*

Tex., Galveston—Seawall—Galveston County Commrs. received low bid from J. W. Zempster, 2204 B St., at \$330,035, for westward seawall extension from 53d.*

Tex., Houston—Port Comsn., Major B. C. Allen, Director, having plans made to provide 8 mooring clusters to right of conveyor berth, to handle two ships at once; James A. Schiller, Chief Engr.; soon open bids.*

Va., Richmond—Swimming Pool—City let contract to James Fox & Sons, 2501 E. Franklin St., for construction of swimming pool at Louis Ginter community building in Ginter Park; plans call for best type of chlorination and filtration plant.

Miscellaneous Enterprises

Ala., Alabama City—The Central Creamery Co., Inc., chartered; J. N. Freeman, Guy Brown.

Ala., Birmingham—Southern Dairies, Inc., E. S. Perot, Pres., main office First and M Sts., N. E., Washington, D. C., reported will expend about \$1,000,000 on milk, cream and ice cream plants located in Smith Park, Fifth and Graymont Aves.; first unit 90x75 ft., 2 or 3 story, reinforced concrete, to be used for milk and creamery department, will be built this year, plans being drawn, estimated cost \$250,000; second unit, to be used for ice cream department, will be built within next year or two, costing about \$750,000.

Ala., Tusculumbia—Work Shirts—J. L. Andrews, Pres., Tusculumbia-Sheffield Chamber of Commerce, interested in the establishment of the Allen Shirt Co.

Ark., Leachville—Mercantile—The C. L. Smith Co., capital \$50,000, incorporated; O. J. Moore, C. L. Smith.

D. C., Washington—Georgia Gold Extracting Co., capital \$35,000, incorporated; Morris D. Burke, Convention Hall Market.

Fla., Ocala—Plumbing, etc.—The General Installation Co., capital \$50,000, incorporated; Felix J. Fraser, Mgr.

Fla., Ojus—Fire-Fighting Equipment—City will expend \$12,500 on fire-fighting equipment; acquired from American LaFrance Fire Engine Co., Inc., Elmira, N. Y., 750-gal. capacity truck pumper.*

Fla., Orlando—City Comsn. will probably let contract to Seagrave Co., 8, High St., Columbus, Ohio, for additional fire-fighting equipment.*

Fla., Palmetto—Philip Shor Shipping Co. will operate boats from Cuba, New Orleans and New York to Palmetto.

Ga., LaGrange—Toilet Articles—As-U-Lak-A Co. has plant; will install machinery and supplies for manufacture of toilet articles. (See Machinery Wanted—Toilet Article Machinery.)*

Ky., Louisville—Louisville Ocean Breeze Bottling Works, 310 Inter-Southern Bldg., has plant; will install bottle-washing machines and refrigerating machines. Address C. L. Jewell, Horse Cave, Ky. (See Machinery Wanted—Bottle Washing Machines; Refrigerating Machines.)*

La., Monroe—Louisiana-Arkansas Barge Service, Inc., chartered; H. R. Noble, 2902 Central Blvd., Shreveport.

La., New Orleans—Chris Reuter, N. Carrollton Ave. and Conti St., began driving pile foundation for \$100,000 mail order seed house; 2-story, 130.6x149 ft., reinforced concrete, composition roof, cement and tile floors; receive bids about June 25; install \$10,000 equipment, including chain sack and freight elevators, conveyors, steel lockers and files, incinerators, etc.; W. W. Van Meter, Archt., 402 Balter Bldg. (See Machinery Wanted—Elevators; Conveyors; Steel Lockers and Files; Incinerators.)*

La., New Orleans—Mercantile—Handelman-Rabinovitz Co., Inc., capital \$100,000, chartered; Harry Handelman, 2430 Milan St.

La., New Orleans—Contracting—J. A.

Petty & Sons, Inc., capital \$200,000, chartered; James A. Petty, Sr., Godchaux Bldg.

Md., Baltimore—Chemists—Sharp & Dohme, Pratt and Howard Sts., receiving bids for construction of plant addition, 6 and 7 story, fireproof, steel and concrete, same type as present building; estimated cost \$100,000; Wm. W. Emmart, Archt., Union Trust Bldg.

Md., Baltimore—Cigars, etc.—The Dalley-Watson Tobacco Co., 119 S. Howard St., capital \$25,000; E. Asbury Davis.

Md., Baltimore—Lord Baltimore Laundry, Baltimore and Fifth St., let contract to the Lachei Construction Co. for fireproof structure, 1 story, 90x100 ft., brick, steel and concrete, steel sash and doors, concrete floor, slate roof; monitor type.

Md., Grantsville—Menzie Dairy, 1909 River St., McKeesport, Pa., acquired well-equipped dairy plant, to be known as Kisers Ridge Creamery; begin operation by July 1.*

Miss., Gulfport—Dixie Seafood Co., incorporated; V. V. Montgomery, E. M. Barber.

Mo., Fulton—Lollypop Manufacturing Co., capital \$10,000, incorporated; John T. Ziekos, T. H. Grant.

Mo., Kansas City—La Croix Contracting Co., incorporated; W. J. La Croix, 4960 Lydia Ave.

Mo., Kansas City—Clothing—Grimme, Inc., 3130 Troost St., capital \$50,000, chartered; Mary E. Grimme, Paul C. Sprinkle.

Mo., Kirkwood—Everybody's Adding Machine Co., capital \$250,000, incorporated; Edw. J. Wirfs, Sr.; H. N. Ebersole, Atty., 1605 Pierce Bldg., St. Louis.

Mo., St. Charles—Houser-Jones Construction Co., Inc., capital \$40,000, chartered; Bryan Wilson, 506 Olive St., St. Louis.

Mo., St. Louis—Tabler Cleaning Co., incorporated; Harry C. Tabler, Jr., 5800 Garesche Ave.

Mo., St. Louis—Loft Building—Preisler Realty Co., reported, will erect 3-story loft building cor. Eleventh and Clark Aves., brick, terra cotta trim; estimated cost \$80,000; E. Preisler, Archt., both Title Guaranty Bldg.

Mo., St. Louis—Electrical Supplies—Wm. W. Steel Co., Arcade Bldg., incorporated; Wm. W. Steel.

Mo., St. Louis—Coffee Research Co., capital \$30,000, incorporated; Frederick E. Stillman, 7529 Hiawatha St.

Mo., St. Louis—Milk Products—Paul A. Schulze Co., capital \$50,000, incorporated; P. A. Schulze, 3425 Wyoming St.

Mo., St. Louis—Catering, etc.—Ethel Hazelton, Inc., chartered; Ethel Hazelton Rathbun, 6626 Delmar Blvd.

Mo., St. Louis—L. Tacker Plastering Co., capital \$15,000, incorporated; L. Tacker, 4709a Newberry St.

Mo., St. Louis—Paulian Drug & Chemical Co., capital \$10,000, chartered; Wm. J. Finlay, Kirkwood; Oliver R. Taylor, Manchester.

N. C., Castalia—Drugs—Castalia Medical Corp., capital \$10,000, chartered; S. J. Bartholomew, J. C. T. Williams.

N. C., Clinton—Southern Enterprise Fireworks, Inc., organized; T. B. Smith, Sec., establish plant to manufacture fireworks, interested in purchasing chemicals. (See Machinery Wanted—Chemicals.)*

N. C., Opex—Cleaning Compound—Sunshine Products Co., capital \$45,000, incorporated; Charles G. Rosmond, Hillsboro; Paul P. Moore, Greensboro.

N. C., Reidsville—Regal Printing Co., capital \$10,000, incorporated; R. L. Hubbard, Jr., B. R. Stone.

N. C., Snow Hill—Mercantile—Spot Cash Co., Inc., capital \$15,000, chartered; C. F. Moore, A. J. Joyner.

N. C., Winston-Salem—The Morning Journal let contract to Walter Scott & Co., of Plainfield, N. J., for four-unit Octuple printing press to be installed in building soon to be erected.

Okl., Enid—Harry N. Carlson, Mgr. of the Smith Bakery, reported, has plans for new plant cor. Independence and Chestnut St.; 1½ story and basement, 150x125 ft.; install most modern equipment; four baking ovens; daily capacity 50,000 loaves bread; estimated cost \$125,000.

Okl., Oklahoma City—C. E. Huffman, 13 N. Clegern St., has permit for \$16,000 candy factory.

Okl., Tulsa—Crystal White Laundry Co., capital \$80,000, incorporated; S. G. Miller, 314 S. Olympia St.

Okl., Tulsa—Eugene Lorton, Publisher of

The World, let contract to the Rucks-Brandt Construction Co., Mid-Continent Bldg., for constructing 4 additional stories to present building; to the Dunbar Co., 416 S. Detroit St., for heating, plumbing and wiring system; install additional equipment; A. M. Atkinson, Archt., Mid-Continent Bldg.

S. C., Columbia—Advertising—The Adco Co., incorporated; Paul G. Moerschell, George H. Sibberens.

S. C., Florence—The Carter Electric Co., capital \$10,000, incorporated; J. V. Carter, H. L. Carter.

S. C., Georgetown—The Carolina Zerozone Co., capital \$25,000, incorporated; John H. Geagan, Geo. S. Clark.

S. C., Georgetown—Kaminski Hardware Co., capital \$150,000, incorporated; E. W. Kaminski, Joseph Schenk.

Tenn., Athens—McMinn County Poultry Assn., M. C. Clayton, Pres., contemplates establishing chicken hatchery; install 10,000-egg capacity plant.

Tenn., Cookeville—Menzie's Shoe Co., S. D. Nichols, Pres., Fond du Lac, Wis., will erect 100x250-ft. factory building, concrete, brick, factorlite glass, steel frames, skylights full length of building, floor to withstand about 150 lbs. to sq. ft., boiler room either outside or inside building, install heating and plumbing system; receiving bids.*

Tenn., Johnson City—Patent Medicine—Smith Chemical Corp., 206 W. Market St., leased building; will install bottling, labeling and bottle-washing machines. (See Machinery Wanted—Bottling Machines; Labeling Machines; Bottle-Washing Machines.)*

Tenn., Knoxville—Construction—Holston Mills, Inc., 1108 General Bldg., capital \$125,000, chartered; John A. Ayers, C. W. Coffman.

Tex., Dalhart—The Dalhart Texan Publishing Co. acquired Texline Enterprise; will publish.

Tex., Dallas—Advertising—Home Building Service, Inc., capital \$10,000, chartered; A. A. Geyer, 3619 Cole St.

Tex., Fort Worth—Walker Bread Co., Inc., 1118 Lamar St., let contract to Quisile & Andrews, 2212 W. 7th St., for \$12,000 addition, 40x60-ft., office and storage, fireproof, maple floors, steel roof; construction begun; install \$60,000 equipment, including oven, mixer, moulder, etc., furnished by Baker Perkins Co., Inc., Saginaw, Mich.; J. H. Day Machinery Co., Harrison Ave. and Bogen St., Cincinnati, Ohio; American Machinery Co., St. Louis, Mo.*

Tex., Fort Worth—Royal Manufacturing & Welding Co., capital \$10,000, incorporated; John L. Burke, 1317 Madeline Pl.

Tex., Fort Worth—Upholstering—A. Brant Manufacturing Co., 1701 Front St., has permit for \$23,000 factory, concrete, stone and brick.

Tex., Galveston—Boulevard Hotel Co., capital \$250,000, incorporated; G. L. Michaels, Galveston; P. G. Silber, Bedell Bldg., San Antonio.

Tex., Galveston—Galveston Fig & Preserving Co., John L. Sterling, Pres., 3312 J St., let contract to John T. Dyess for building at Dickinson Bayou, 520-ft. frontage, capacity 60,000 lbs. daily; install refrigeration system in connection with plant, estimated cost \$20,000; to be completed by Aug. 1.*

Tex., Gonzales—The Holmes Hospital, Inc., capital \$20,000, chartered; Geo. Holmes, J. F. Wood.

Tex., Houston—Harbor Towing & Transportation Co., capital \$45,000, incorporated; G. H. Roberts, 2605 Yale St.

Tex., Houston—Shipside Contracting Co., incorporated; W. H. Binyon, Jr., 903 Brannard St.

Tex., Houston—Texas Hires Drive-In Station Co., Chester E. Hardy, Pres., 1708 Drew St., establishing state agency for Hires Barrel Booth stations; all equipment will be supplied by the Chas. E. Hires Co., 206 S. 24th St., Philadelphia, Pa., excepting ice boxes, auto trays, etc., will be supplied by local concerns.*

Tex., Houston—Poultry Feed—Saint & Co., Inc., 902 Dowling St., acquired adjacent site to present plant; will remodel and enlarge building.

Tex., Houston—The Best-Clymer Co., W. S. Thomas, Pres., Michigan Ave. and Davis St., St. Louis, Mo., advises are not contemplating the erection of fig plant in Houston, at least for this year.

Tex., Junction—Junction Hotel Co., capital \$60,000, incorporated; E. A. Loeffler, G. W. Fry.

Tex., Marshall—City Laundry & Cleaning

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Co., J. E. Harter, Owner, let contract to Quisile & Andrews, Marshall, at \$11,000, for laundry building, 1 story, 60x105 ft., brick and frame; John Carpenter, Archt., 104½ E. Austin St., Austin.

Tex., McAllen—Printing—Valley Telegram Co., capital \$35,000, incorporated; James, M. Bird, H. C. Robinson.

Tex., San Antonio—The Crystal Ice Skating Rink, A. F. Beddoe, Mgr., Myrtle St., will expend \$35,000 on additions to plant, enlarge present plant; install 12-ton capacity, ice plant, including machinery.

Tex., San Antonio—Candy—G. A. Duerler Manufacturing Co., 218 W. Commerce St., let contract to Ed Oeffinger, Builders Exchange Bldg., at \$153,000 for factory building on Camp St.; 6 story and basement, brick and reinforced concrete; Harff & Jones, Archts., San Antonio Loan & Trust Bldg.*

Tex., Texarkana—Gail E. Trickett acquired stock of Blair-Erb Co. formed corporation to be known as Kidd-Russ Trunk & Awning Co.

Tex., Three Rivers—Three Rivers Glass Co. are building 35-ton glass furnace, installing \$35,000 equipment; daily output 60,000 milk bottles; construction by owners; materials furnished by Lucile-Christi Clay Product Co., St. Louis, Mo.*

Tex., Wichita Falls—Times Publishing Co., 723 Seventh St., receiving bids for remodeling and erecting addition to plant, vitrolite partitions, marble stairs, tile floors, new steam-heating plant; estimated cost \$40,000; Sorey & Vahlberg, Archts., Perkins-Snyder Bldg.

Va., Alexandria—Ray Engineering Co., Inc., capital \$50,000, chartered; Philip Ershler, Ambrose Gorman.

Va., Danville—Rorer A. James, Jr., Editor of the Bee and Register, Union and Patten Sts., acquired plant of the Danville News, including 32-page press, six linotypes, stereotype equipment, etc. Rorer A. James, Jr., advises: "Have purchased plant and equipment of Danville News; expect to add part of equipment to own plant and sell balance."

Va., Radford—Burton Baking Co., Inc., capital \$50,000, chartered; W. T. Burton, Rora E. Carden, all East Radford.

Va., Norfolk—Agricultural Supplies, etc.—Joseph A. Fraim Co., capital \$15,000, incorporated; Joseph A. Fraim, Pres., 26th and DeBree Sts.

Va., Roanoke—Automatic Syphon Corp., capital \$50,000, chartered; E. S. Greene, Jr., 33 Campbell Ave. W.

Va., Staunton—Shenandoah Nugrape Co., Inc., capital \$25,000, chartered; Perry C. Cook, Mullens, W. Va.; C. H. Koontz, Staunton.

W. Va., Bluefield—Stationery—G. D. Woods Co., capital \$10,000, incorporated; G. D. Woods, C. B. Frame.

W. Va., Bluefield—Charlton Fruit Co., capital \$50,000, incorporated; Harry Charlton, Sr., Tazewell St.

W. Va., Charleston—Soft Drinks, etc.—Kanawha Exhibition Co., capital \$30,000, incorporated; I. A. Cohen, John H. Goshorn.

W. Va., Huntington—Contractors—Messinger & Hager, Inc., capital \$100,000, chartered; Gilbert Hager, Huntington; M. L. Evans, Charleston.

W. Va., Parkersburg—The Home Dairy, capital \$10,000, incorporated; W. H. Green, 1601 Percy Ave.

W. Va., Philippi—Gabro Construction Co., capital \$10,000, incorporated; Lee J. Sandridge, W. D. Corder.

Motor Bus Lines and Terminals

N. C., Fayetteville—C. F. Harris, V.P. and Gen. Mgr., Cape Fear Railways, Inc., Sandrock Bldg., advises: The Fort Bragg Coach Co., incorporated, with \$60,000 capital, has purchased 4 special built Menominee buses and expects to begin operation between Fayetteville and Fort Bragg about June 15; have built shops, etc., in Fayetteville.*

N. C., Salisbury—Southern Coach Co. of Norfolk, Va., acquired the Kirk Bus Lines operating between Greensboro and Charlotte, will continue present schedule.

Okla., Muskogee—The Rainbow Bus Line, J. L. McGray, Owner, granted permit to operate bus line between Fort Smith and Muskogee.

Tex., San Antonio—Red Star Bus Line, incorporated; D. J. Small, 2009 W. Huisache St.

Tex., Wichita Falls—Burk-Wichita Stage Line Co., incorporated; J. H. Prince, 1512 15th St.

Va., Clarendon—Washington, Virginia &

Maryland Coach Co., Leon Arnold, Pres., operating new system, consisting of four lines: From Georgetown to Ballston, via Clarendon, Va., to Lee Heights via Cherrydale, Va., and to Fort Myer and Arlington National Cemetery; fourth line from Eighth Ave. and Pennsylvania Ave. N. W. to Congressional Country Club.*

Va., Lynchburg—J. W. Turner, Madison Heights, granted permit to operate freight bus service between Lynchburg and Lovings-ton.

W. Va., Clarksburg—West Virginia Transportation Co., capital \$50,000, incorporated; Edwin P. Wrightson, Arabia Ave., Baltimore, Md.

Motor Cars, Garages, Filling Stations

Ala., Opelika—Boone & Norris begun construction of Standard Crown gas drive-in station on First Ave. adjoining garage.

Ark., Eldorado—Four-Six Tire Co., incorporated; Carleton Phillips, Pres.; will occupy new \$75,000 building to be erected by Mrs. L. D. Schuler; 2-story, 85x170-ft., storage capacity 200, service station, accessory room, tire display room, complete battery and electrical department, steam rack and brake service station; construction begun.

Fla., Coral Gables—Will Smith has permit for filling station on Grand Ave.; Jordan Shank, builder.

Fla., Miami—F. L. Haines, 135 Ave. Calabrin, Coral Gables, has permit for filling station at S. W. Seventeenth and Flagler Sts.

Fla., Ocala—H. C. Jones begun construction of \$30,000 garage cor. Adams and Orange St.

Fla., Orlando—Orange Investment Co., O. B. & T. Bldg., has permit for \$15,000 filling station on S. Hughey St., brick and tile.

Fla., Palmetto—Ed. F. Hayes will erect filling station on Lemon Avenue.

Fla., St. Petersburg—N. L. Bedford & Co., LaPlaza Arcade, has permit for \$17,300 garage on First Ave., brick, tile and steel.

Fla., Tampa—William Le Due, Tampa and Jackson Sts., has permit for \$30,000 filling station.

Fla., Tampa—Plant Park Construction Co. contemplates building garage on North A and N. Brevard St.*

La., Monroe—C. R. Tidwell, 107 Morris St., has permit for \$13,000 filling station cor. Harrison and Hall Sts.; brick structure.

La., New Orleans—General Automobile Co., 418 Carondelet St., will erect additional story to present building and make alterations; soon call for bids; Walter Cook Keenan, Archt., Liverpool, London & Globe Bldg.

Md., Baltimore—Yellow Drivurself System, Inc., 200 N. Eleventh St., chartered; Walter C. Cook.

Md., Baltimore—Standard Oil Co. reported acquired property cor. Myrtle Ave. and George St., will erect filling station; plans and construction by owner.

Mo., Kansas City—City Center Auto Park, incorporated; Harry A. Rubin, 4208 Harrison St.

Mo., Kansas City—Shamrock U Drive Co., 1421 Cherry St., incorporated; Donald H. Brown.

Mo., Kansas City—T. H. Brougham will erect \$65,000 garage on Thirty-first east of Indiana Ave.

Mo., St. Joseph—Garage—Yellow Flat Rate Automobile Assn., incorporated; Harry H. Francis, 714½ Francis St.

Mo., Wellston—Perco Auto & Supply Co., capital \$10,000, incorporated; Albert A. Percival, Wm. G. Schofield, 6321 Easton Ave., St. Louis.

N. C., Charlotte—Automobile Accessories—John H. Bolton, Inc., capital \$25,000, incorporated; John H. Bolton, 10 E. Sixth St.

N. C., Charlotte—Carolina Cadillac Co., Marin St., Winston-Salem, plans erecting \$100,000 building on Tryon and Katherine Sts., 400 feet long, Spanish architecture; M. R. Marsh, Archt., Latta Arcade; soon let contract.

N. C., Charlotte—Brown & Rea Service Co., capital \$10,000, incorporated; Dr. H. C. Rea, 306 W. Sixth St.

N. C., Franklinton—The Harris Ford Motor Co., capital \$25,000, incorporated; S. C. Ford, Hal T. Harris.

N. C., Greensboro—Dixie Motor Club, Inc., capital \$100,000, chartered; Roy L. Smith, 2408 Lake St., Pomona.

N. C., Greensboro—Richardson Realty Co.

has permit for filling station at Asheboro and Arlington Sts.; J. T. Hunt, Contr.

N. C., Greensboro—The T. and H. Motor Co., C. L. Howard, Pres., 111 S. Davie St., let contract to J. N. Coe, 306 American Bldg., to erect new home on Price St., 1 story, 60x225 ft., gray brick front, plate glass; also acquired adjoining site for filling station and parking space; estimated cost \$100,000; to be completed by Oct. 1.

N. C., Greensboro—City secured additional permit for \$24,000 municipal garage on Percy St. Address City Clerk.

N. C., Wareton—Motor Sales Co., capital \$50,000, incorporated; R. T. Watson, R. B. Boyd, Jr.

N. C., Winston-Salem—City contemplates expending \$100,000 for purchasing site and erecting municipal garage. Address City Clerk.

N. C., Winston-Salem—Reo Sales Co., capital \$50,000, incorporated; R. L. White, Irving St.

Okla., Muskogee—The Overland-Knight Co., capital \$25,000, incorporated; John H. Mosier, 1207 Locust St.

Okla., Ponca City—Olds Motor Sales Co., capital \$20,000, incorporated; O. D. Smith, C. G. Weathers.

Okla., Tulsa—Continental Oil Corp. acquired Constantin Oil Corp., including 5 filling stations and refined oil warehouse at Tulsa, filling stations and bulk stations at Bartlesville, Collinsville, Nowata and Pawhuska and warehouse at Broken Arrow; sales offices at Kansas City, Mo.; production office at Tulsa.

S. C., Greenville—Payne Oil Co., 303 College St., has permit for filling station cor. Washington and Laurens Rd.; brick and tile; Morris-McKoy Building Co., Contrs., Finlay Bldg.; Beacham & LeGrand, Archt., 17-A North St.

S. C., Laurens—Alexander-Chevrolet Co., capital \$10,000, incorporated; B. D. Alexander, W. B. Alexander.

Tenn., Chattanooga—Henry C. Elchoff, 2001 Duncan Ave., has permit for \$10,000 garage on McCallie St., 1 story, 50x100 ft., brick.

Tenn., Nashville—Yellow Drivurself Co., 138 Eighth Ave., let contract to W. P. Regen & Co., 122 Fourth Ave. S., for 2-story, 44x157 ft., reinforced concrete, brick, concrete floors, composition roof; install heating plant; estimated cost \$32,000; Marr & Holdman, Archt., Stahlman Bldg.*

Tex., Beaumont—Louis Chazen, 794 North Pearl, Apt. No. 1, let contract for erection of garage and filling station at N. Pearl and Reliance Sts.; brick; cost \$15,000; to be occupied by Pierce Petroleum Corp., 1100 Crockett St.

Tex., Dallas—N. C. Walters, 726 Lowell St., has permit for \$110,000 garage on Jackson St., 157x94 ft., 3 story, brick and concrete; W. H. King, Contr., Andrews Bldg.; construction to begin immediately.

Tex., Dallas—J. P. Jones, 808 N. Harwood St., has permit for \$35,000 garage; 2-story, brick.

Tex., Paris—Jess Alford Motor Co., capital \$30,000, incorporated; Jess Alford, John Alford.

Tex., Pittsburg—Garrett Motor Co., incorporated; V. L. Garrett, C. E. Bryson.

Tex., Rosenberg—Callaway Auto Co., capital \$20,000, incorporated; Carl Callaway, Beecher Cochran.

Tex., San Benito—W. B. Hinkley let contract to R. E. Ewing, Harlingen, at \$17,000 for garage and apartment building; 2 story, brick, reinforced concrete, tile trim, concrete floors; foundation work awarded to Dodds & Wedengartner of San Benito; Elwing & Mulhausen, Archts., Harlingen.

Tex., San Juan—George Roe let contract to A. Longoria of McAllen for \$10,000 garage and service station.

Va., Bristol—Automobile Storage—Moore & Fleenor, Inc., capital \$10,000, chartered; C. P. Moore, Pres.

Va., Farmville—Southside Motor Co., capital \$25,000, incorporated; M. B. Davidson, W. E. Noel.

Va., St. Charles—Auto Supply Co., Inc., chartered; C. P. Kelly, W. A. Smith.

Railways

Fla., Titusville—Port Canaveral & Western Railway Co., capital stock \$500,000, headquarters at Titusville, incorporated; to build a line from a point near Lake Charm in Seminole County, thence northeast through Volusia County and southward through Bre-

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

ward County to Canaveral, crossing Indian River above Titusville. Total length about 50 mi. James C. Knox, president; R. C. Boswell, vice-president; George W. Scobie, secretary; other stockholders being George B. Brockett and N. T. Froscher. All residents of Titusville, except Mr. Boswell, who is from Wilson, Fla.

Tex., Houston—Houston & Port Arthur Railway Co., capital stock \$85,000, incorporated to build a line 82 mi. long from Houston on the north side of the Houston Ship Channel to Port Arthur, Tex.; construction to begin immediately. Incorporators and directors include J. S. Cullinan, president of the North Side Belt Railway; William Doherty of Houston, who will be president; W. W. Moore and J. Y. Powell.

Railway Shops and Terminals

Va., Newport News—The Chesapeake & Ohio Ry. Co. reported, acquired 70 acres land adjoining terminals. W. J. Harahan, Pres., Chesapeake & Ohio Ry. Co., advises: "We have no extensions or improvements in contemplation just at present in connection with this property; only bought it for future development."

Roads, Streets and Paving

Large sums are being expended for roads, streets and paving in connection with Land Development operations. Details will be found under that classification.

Proposed Construction

Alabama—State Highway Comm., Montgomery, receives bids July 14 for 4 roads: Barbour County, 4 mi. sand-clay, between Clayton and Eufaula; 15 mi. sand-clay, Eufaula and Abbeville; Coosa County, 17 mi. topsoil, Kellyton to Wetumpka, on Montgomery-Talladega highway; Baldwin County, 12 mi. grading, Perdido to Bay Minette; W. A. McCalla, State Highway Engr.

Ala., Birmingham—City Comm. plans expending \$118,290 to improve 6 streets, including Fifth Ave., Eighty-third St., Sixth and Seventh Sts.; A. J. Hawkins, City Engr.

Arkansas—State Highway Comm., Little Rock, received low bids for 6 roads and 2 bridges: Jackson County, 1.65 mi. concrete, Walnut Ridge and Hoxie, Harvey Brown, North Little Rock, \$45,165; Independence County, 11 mi. grading and drainage structures, Batesville-Heber Springs road, E. L. Terry & Co., Brinkley, \$57,983; Drew County, 4.91 mi. grading and drainage structures, Dermott-Collins road, W. P. McGeorge & Co., Nebraska St., Pine Bluff, \$30,195; Bradley County, 6.31 mi. grading and drainage structures, Warren-North road, R. J. Lynch, 318 Ridgeway St., Little Rock, \$28,973; Prairie County, 5 mi. gravel, Stuttgart-Slovak, R. J. Lynch, \$15,917; Jackson County, 10.9 mi. gravel, Tuckerman-Alicia road, Dist. No. 8, E. L. Terry, \$37,650; Madison County, Spadra Creek Bridge, Clarksville, Harvey Brown, \$23,630; Holman Creek Bridge, Southern Engineering Co., Minden, La., \$16,596.*

Ark., Conway—City Commrs., A. J. Meaders, Chmn., Paving Dist. No. 12, plans 20 blocks 20-ft. paving and 2-in. curb and gutter; Parkes Engineering Co., Engr., Citizens Bank Bldg., Pine Bluff.

Ark., Fayetteville—City Commrs. receive bids about July 1 for 3000 sq. yd. reinforced concrete paving in Annex No. 1, North College St., Improvement Dist. No. 1, estimated cost \$8500; 5500 sq. yd. concrete or asphalt top on broken stone or concrete base, Annex No. 1, South College St. Improvement Dist. No. 1, estimated cost \$16,000; 8000 sq. yd. asphalt top on broken stone or concrete base, North College Ave., Street Improvement Dist. No. 31, estimated cost \$24,000.*

Ark., Harrison—Commrs. of Street Improvement Dist. No. 3, Thomas Wilburn, Commr., receives bids about June 16 for vibro-lithic or concrete paving; 18,798 sq. yd. 30-ft. or 14,669 sq. yd. 24-ft.; 12,197 ft., 24-in. or 11,997 ft. 30-in.

Fla., DeLand—City plans 14 mi. additional street paving, sewer, water extension, etc. Address City Clerk.

Fla., Fort Lauderdale—City Comm., Glenn E. Turner, Clk., received low bid from Johnson, Drake & Piper, 513 Meridian Ave., Miami Beach, at \$213,413, for 2 mi. bitulithic permanent paving on Andrews Ave.; from M. E. Hawkins, Dania, at \$138,407, to pave Lauderdale Blvd.; \$16,831, W. Park Blvd.;

\$29,373, Colee Ave. and Blvd.; \$26,339, Lakeview Blvd.*

Fla., Fort Pierce—St. Lucie County Commrs. plan 2 roads through pine and prairie lands south of White City: 7 mi. from point 2 mi. west of White City to Cane Slough; 9 mi. from New Dixie Highway, south of White City to Cane Slough.

Fla., Hastings—Town, G. W. Maltby, Clk., receives bids June 29 for 62,000 sq. yd. street paving, with drainage, curb and gutter, etc.; plans on file and from H. S. Jaudon Engineering Co., Leesburg, Eustis, Fla., and Elberton, Ga.; G. W. Lee, Mayor.

Fla., New Port Richey—City, S. C. Park, Mayor, plans highway up and down Indian Rocks Island; also purchasing Welch toll bridge. See Financial News—Bond Issues Proposed.

Fla., Palm Beach—City Comm. receives bids June 29 to improve 13 streets, including Tamarind, Okeechobee, Seventeenth; T. B. Henry, City Engr.

Fla., Riviera—Town, R. S. Yoemans, Atty., plans paving roadways and laying curbs and sidewalks.

Fla., St. Petersburg—City Comm. receives bids June 14 to repave Fourth St., Ninth to Eleventh Ave.; Ernest Kitchen, Director of Public Works.

Fla., St. Petersburg—City Comm. receives bids June 14 to widen and pave Ninth St. between Tenth and Ingleside Ave.; Ernest Kitchen, Director of Public Works.

Fla., Sebring—Highlands County Commrs. plan resurfacing State Road No. 8, Seenic Highway, across county.

Fla., Tampa—City, Wm. E. Duncan, Clk., receives bids June 15 for street paving in Street Improvement Districts Nos. 151, 156, 168, 196, 197, 198; 27,677 sq. yd. 2-in. Filbertine pavement, with 6-in. rock base, 19,676 lin. ft. 4-in. granite curbing; plans from City Engr.

Fla., Tampa—Hillsborough County Commrs., W. A. Dickenson, Clk., receive bids June 11 to grade, concrete, curb, gutter and pave with 1½-in. sheet asphalt on 3-in. sand asphalt black base, drainage structures, 8 roads: Calder Place, Falkirk Place, Orkney Place, Wick Place, Larkhall Place, Ednam Place, all 2660 ft. curb, 2955 sq. yd. paving; Renfrew Place, 5340 ft. curb, 5933 sq. yd. paving; Riverview Drive, 2300-ft. curb, 2555 sq. yd. paving; plans from A. B. Pimm, County Engr.

Fla., Tampa—Hillsborough County Commrs., W. A. Dickenson, Clk., plans constructing reinforced concrete drainage structures and paving 5 roads, 16-ft., with 6-in. lime-rock base and surface treated with asphalt and crushed aggregate; also creosoted timber bridges over Rock Creek and Brushy Creek Tributary, in Lake Fern Special Road and Bridge Dist. See Financial News—Bond Issues Proposed.

Fla., Vero Beach—Carter & Damerow, Engrs., Vero Beach, receive bids July 7 for grading and bridges on Sections 1 and 2, Florida Cross State Highway, between Vero Beach and Kissimmee River in Indian River and Osceola Counties; Sec. 1, 580,280 cu. yd. excavation, 11,360 lin. ft. creosoted timber piling; Sec. 2, 322,479 cu. yd. excavation, 4200 lin. ft. creosoted timber piling; plans on file.

Fla., West Palm Beach—City, C. A. Bingham, Mgr., receives bids June 29 to pave various streets with 583,000 sq. yd. sheet asphalt, Warrenite, asphaltic concrete or concrete; 283,349 lin. ft. curbing and gutter, 1,810,457 sq. yd. sidewalk, 213,505 cu. yd. excavation; estimated cost \$3,954,954; T. B. Henry, City Engr.*

Ga., Bainbridge—Chamber of Commerce interested in paving West Calhoun St. with brick on concrete base, from Broad to Flint River Bridge, West Bainbridge.

Ga., Columbus—City, H. B. Crawford, Mgr., receives bids June 14 for about 18,246 sq. yd. 6-in. cement concrete pavement, 2642 cu. yd. excavation, reset 2500 lin. ft. granite curb; plans from City Engr.*

Ga., Cordele—Crisp County and State Highway Comm., East Point, receive bids soon for 5 mi. asphalt paving, National Highway in county north of Cordele.

Ga., Hoboken—Brantley County plans 2 roads through county, cost \$200,000. Address County Commrs. See Financial News—Bond Issues Proposed.

Ga., Statesboro—Road Commrs., R. J. Kennedy, Chmn., will let contract June 11 for concrete bridge across Mill Creek, about 6 miles from Statesboro, on Augusta road.

Ga., Waycross—City, Abram Cook, Mgr., receives bids June 22 for 110,000 yd. paving

under Baby Bond plan; Lawrence Kaufman, City Paving Engr.*

Kentucky—State Highway Comm., Frankfort, receives bids June 21 for 10 roads and 3 bridges: Warren County, Bowling Green-Franklin road, 2.1 mi. rock asphalt on crushed stone or 3.1 mi. bituminous macadam or 4.1 mi. waterbound macadam, 18-ft., from point south of Bowling Green toward Franklin, 10,240 cu. yd. excavation and borrow; Simpson County, Franklin-Bowling Green road, 2.25 mi. rock asphalt on crushed stone base, 3.5 mi. bituminous macadam or 4.6 mi. waterbound macadam, 18-ft., from north corporate limit of Franklin toward Bowling Green, 9870 cu. yd. excavation; Butler County, 9,445 mi. 24-ft. and 28-ft. grade and drain Morganton-Hartford road, from Borah's Ferry, on Green River, to Morgantown, 75,836 cu. yd. excavation and borrow, 20,312 lbs. reinforcing steel.

In Daviess County, 5,134 mi. 20 and 24-ft. grade and drain, Owensboro-Livermore, Browns Valley to McLean County line near Livia, 70,488 cu. yd. excavation and borrow, 18,989 lbs. reinforcing steel; 1,898 mi. 20 and 24-ft. grade and drain, Owensboro-Fordville, Whitesville to Ohio County line, 12,703 cu. yd. excavation and borrow, 53,512 lbs. reinforcing steel; Wolfe County, 10,712 mi. 24 and 28-ft. grade and drain Campton-Jackson road from point near Breathitt County line to Campton Station, 163,513 cu. yd. excavation and borrow, 151,921 lbs. reinforcing steel; Christian County, 8,313 mi. 16-ft. waterbound macadam, surface treated macadam or bituminous macadam, Hopkinsville-Elkton road, point east of Hopkinsville to Todd County line at Fairview, 47,773 cu. yd. excavation and borrow, 50,890 lbs. reinforcing steel.

In Allen County, 10,10 mi. 18-ft. bituminous or concrete rock asphalt on crushed stone base, or bituminous macadam, Scottsville-Glasgow road, from Scottsville to Barren County line at Barren River, 11,990 cu. yd. excavation and borrow; Crittenden County, 13,18 mi. 16-ft. bank gravel unrolled, River gravel type A or waterbound macadam, Marion-Morganfield road, Marion to Union County line at Treadwater River Station, 28,800 cu. yd. excavation and borrow; Metcalfe County, 8,159 mi. 14-ft. Creek gravel unrolled, waterbound macadam or surface treated macadam, Edmonton-Glasgow road, Edmonton to Barren County line, 4500 cu. yd. excavation and borrow; Garrard-Jessamine County, bridge on Lancaster-Nicholasville road, five 50-ft. concrete, one 275-ft. steel spans, 192,470 lbs. reinforcing steel, 596,000 lbs. structural steel; Lee County, on Beattyville-Jackson road, one 69-ft. and two 30-ft. concrete spans; Clark County, on Winchester-Stanton road, 50-ft. concrete span; E. N. Todd, State Highway Engr.

Ky., Danville—City, W. C. McIntyre, Mayor, plans street improvement. See Financial News—Bond Issues Proposed.*

Ky., Paducah—McCracken County Fiscal Court plans paving with concrete Broadway, from city limits at Twenty-fifth St. to Thirty-second; old Mayfield road, city limits to county line.

Ky., Richmond—State Highway Dept., Frankfort, plans rebuilding 3½ mi. macadam road and oil surface treating Eastern Dixie Highway below Kentucky River, Madison County.

Louisiana—Louisiana Highway Comm., Baton Rouge, receives bids June 29 to build and furnish gravel for 2 roads: Webster Parish, 8.20 mi. Minden-Springhill Highway, from 1 mi. north of Sarenta to Arkansas line, about 1 mi. north of Springhill; Ascension Parish, .82 mi. Amant-Port Vincent Highway, north of Lake Villar Bridge to Port Vincent; plans on file; W. B. Robert, State Highway Engr.

La., Baton Rouge—East Baton Rouge Parish Police Jury, F. A. Woods, Sec., plans graveling streets and laying curb and gutter in Edgewood Lawn, cost \$22,000. See Financial News—Bond Issues Proposed.*

La., Homer—Town, Grady Mullennix, Clk., receives bids June 21 to grade, pave, etc., W. Main St.; 6600 sq. yd. reinforced concrete, 1500 cu. yd. gravel excavation, manholes, sidewalks; plans on file and from Charles D. Evans, Conslt. Engr., 414 Levy Bldg., Shreveport.

Maryland—State Roads Comm., 601 Garrett Bldg., Baltimore, receives bids June 15 to improve 3 roads: Washington County, 1 mi. concrete, Wagner's Cross Roads, toward Cavetown, Cont. W-44; Prince Georges County, 2.28 mi. concrete along Defense Highway, from Collington to Priest Bridge, Cont. P-67; Charles County, 2 mi. gravel, Beantown toward Malcolm; Cont. Ch-40; John N. Mackall, Chmn.; L. H. Steuart, Sec.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Maryland—State Roads Comm., 601 Garrett Bldg., received low bids for 7 roads: Charles County, .66 mi. concrete, from end of concrete road to Wharf at Rock Point, H. S. Swann, La Plata, \$15,227; Frederick County, macadam resurfacing, along brick school house road, Peterville-Brunswick to Petersville-Knoxville road, Bester-Long Co., Hagerstown, \$22,892; 1.86 mi. concrete, Knoxville to Brunswick, Poffinger & Mause, Meyersville, Md., \$40,980; Talbot County, 2.08 mi. concrete, end of Cont. No. T-21 toward Easton, St. Michels Construction Co., \$33,163; St. Mary's County, 2.84 mi. Jarboesville toward Hermanville; Ridge toward Miller's Wharf; on St. George's Island, Thomas Mullen, 3945 Greenmount Ave., Baltimore, \$22,169; Cecil County, 1.91 mi. macadam resurfacing, Leslie to Bay View, Thomas P. Murray, Masonic Bldg., Towson, \$27,478; Kent County, 1.2 mi. concrete, from State Road near Chestertown toward Worton, Kauffman Construction Co., Denton, \$22,331.*

Md., Baltimore—Dept. of Public Works, Bureau of Highways, will pave, repave and resurface 29 streets, avenues and roads, including Aliceanna, Ashburton, St. Paul; Steuart Purcell, Highways Engr.

Md., Baltimore—City, Howard W. Jackson, Mayor, plans widening 50 to 80 ft. and grading Cold Spring Lane, Roland Ave. to York road; Winchester St. 50 to 66 ft., Bentalou to Ashburton St.; Steuart Purcell, Highways Engr.; B. L. Crozier, Ch. Engr.

Md., Baltimore—Board of Awards received low bid from Baltimore Asphalt Block & Tile Co., 1320 N. Monroe St., at \$83,216, to grade, curb and pave with sheet asphalt streets in Cont. No. 341; Arundel Construction Co., Knickerbocker Bldg., \$29,290, for cement concrete paving, Cont. No. 342; Fred D. Carozza, Garrett Bldg., to pave with cement concrete footways in Footway Cont. No. 94.*

Md., Baltimore—Board of Awards receives bids June 16 to grade, curb and pave with 7400 sq. yd. sheet asphalt on concrete base, streets in Cont. No. 345; 9900 sq. yd. cement concrete, Cont. No. 346; plans on file; Steuart Purcell, Highways Engr.; B. L. Crozier, Ch. Engr.; Howard W. Jackson, Mayor.

Md., Easton—Town, Richard Goldsborough, Clk., receives bids June 15 for 6000 sq. yd. cement concrete paving; plans from E. G. Kastenhuber, Jr., Town Engr.

Md., Salisbury—City, Mayor Parker, plans 28,150 lin. ft. or 5.3 mi. oil and stone treatment on streets; approximate cost \$6000.

Md., Western Port—Allegany County Board of Directors, Cumberland, receives bids June 15 to grade and improve one-half mile of River Road, from Western Port south, toward McCoolle; 4700 cu. yds. excavation, 4900 lbs. reinforcing steel; plans from D. P. LeFevre, Road Engr.

Miss., Crystal Springs—Board of Aldermen plans paving various streets, in business section.

Mo., Clayton—St. Louis County Commrs. plan widening Denny road to 100-ft. highway.

Mo., Joplin—City contemplates paving Joplin St. with bitulithic, 20th to 32d; estimated cost \$32,500; Chestnut St., with one-course concrete and squeegee asphalt top, Ninth to Tenth; roadway of 14th St., with one-course concrete and squeegee asphalt top, Main to Byers; estimated cost \$8170; also curb and gutter on 14th St. Address City Clk.

Mo., St. Louis—Board of Public Service receives bids June 15 to rebuild Cass Ave., Hogan to Glasgow; improve West Florissant Ave., Kingshighway to city limits of 1876; plans from Pres.

Mo., St. Louis—Board of Public Service receives bids June 15 to improve Arlington Ave., Brown St. to Alley; rebuild Cass Ave., Broadway to Hogan St.; plans from Pres.

N. C., Asheville—City Comm. plans paving Hald St. and Catholic Ave., from Valley to Grahl, and Oakwood St. from Haywood road north; B. M. Lee, City Engr.

N. C., Durham—City, R. W. Rigsby, Mgr., contemplates widening Markham Ave.

N. C., Greensboro—City, P. C. Painter, Mgr., receives bids June 15 to grade 10,000 cu. yd. on Masonic Drive, and 4000 cu. yd. Willowbrook Drive; plans from Ray Warren, Highways Engr.

N. C., High Point—City, H. A. Moffitt, Mayor, plans widening Commerce St., 74.8 ft., Hamilton to Asheboro R. R., and 77 ft., Perry St. to railroad.

N. C., Winston-Salem—City, Board of Public Works, plans street paving, cost \$700,000. See Financial News—Bond Issues Proposed.

Okla., Oklahoma City—City, M. Peshek,

Clk., plans paving Pine, Ave. C and McKinley Ave.; B. M. Hart, City Engr.

Okla., Oklahoma City—Oklahoma County Commrs. receive bids June 14 to pave roads, 1 mi. south of Jones, and 2 mi. Ave G, to corner of Capitol Hill Cemetery; total cost \$44,000.

Okla., Oklahoma City—State Highway Comm. receives bids June 29 to pave 2 roads: 3 mi. south of Harard; 3 mi. east of Edmond; E. B. Guthrey, Sec.

Okla., Tulsa—City Comm. plans expending about \$100,000 to pave 13 streets and alley; Charles Schultz, City Engr.

Okla., Woodward—City plans improving 16 blocks of streets; Black & Veatch, Engrs., Mutual Bldg., Kansas City, Mo.

South Carolina—State Highway Dept., Samuel McGowan, Ch. Highway Commr., Columbia, receives bids June 15 for 4 roads and bridge approach, Pickens County, 4.883 mi. State Route No. 2, Easley to point near Liberty, 89,938 cu. yd. excavation, 13,901 cu. yd. topsoil surfacing, 28,672 lbs. reinforcing steel; Orangeburg County, 9,526 mi. State Route No. 6, Orangeburg north, 41,922 cu. yd. excavation, 23,442 cu. yd. sand-clay surfacing, 8458 lbs. reinforcing steel; Florence County, 4,249 mi. State Route No. 53, from point near Sardis to Route No. 3, 19,350 cu. yd. excavation, 8295 cu. yd. sand-clay surfacing, 3510 lbs. reinforcing steel; Oconee County, 8,606 mi. State Route No. 2, from point west of Seneca to Seneca River, 54,758 cu. yd. excavation; 90,616 sq. yd. plain cement concrete pavement, or combination concrete header crib and base, with 83,065 sq. yd. asphaltic concrete surface; Cherter-Lancaster Counties, .511 mi. approach works to Catawba River Bridge, Route No. 9, 47,240 cu. yd. excavation, 1590 cu. yd. topsoil surfacing; plans on file and from State Highway Engr.

S. C., Charleston—Sanitary and Drainage Comm., 39 Broad St., receives bids June 10 for asphaltic top on about 10 mi. gravel road; E. D. Jervey, Engr.

S. C., St. George—Town plans paving Main St., from depot to Johnston St., and paving sidewalks; cost \$22,000. Address Town Clk. See Financial News—Bond Issues Proposed.

Texas—State Highway Comm., Hal Moseley, Chmn., Austin, receives bids June 29, tentative date, to grade and bridge 4 roads: Panola County, 4.1 mi. Highway No. 43, Tatum to Highway No. 43-A, estimated cost \$24,000; Young County, 10 mi. Highway No. 24, between Graham and Jack County line, estimated cost \$60,000; Lubbock County, 14.95 mi. Highway No. 7, estimated cost \$33,700; Jasper County, 12.38 mi. gravel surfacing, Highway No. 62, estimated cost \$110,000; A. C. Love, State Highway Engr.

Tex., Abilene—Taylor County, Carlos D. Speck, County Judge, plans grading and bridge on 4 roads: 11,585 mi. State Highway No. 1; 9,015 mi. Highway No. 30, Station 1492 plus 00 to Bradshaw; 6.63 mi. Highway No. 1-A; 1,472 mi. Highway No. 30; L. M. McCanlies, County Engr.

Tex., Batesville—Zavalla County Commrs., N. H. Hunt, County Judge, plans 3 roads: 4.5 mi. from Frio County line through Batesville to La Prior and on to county line; Highway No. 55, Uvalde County line at Pulliam, through La Prior to Crystal City, connecting with Eagle Pass Highway; Uvalde County line south of Sabinal, through Batesville to Loma Vista and Crystal City. See Financial News—Bond Issues Proposed.*

Tex., Carthage—Panola County, T. E. Boren, County Judge, plans .51 mile concrete pavement, Highway No. 64, Carthage east; estimated cost \$14,850; D. E. Martin, County Engr.

Tex., Clarksville—Red River County, G. Morrison, Judge, plans 6.269 mi. grading and bridges, Highway No. 5-A; M. P. Homeyer, County Engr.

Tex., Cuero—DeWitt County, Stanley Kulawik, County Judge, plans 15.05 mi. grading and bridges, Highway No. 81; Terrell Bartlett Engineer, Calcasieu Bldg., San Antonio.

Tex., Dallas—Dallas County Commrs., Charles E. Gross, Auditor, received low bid from Hill, Wilson & Watson, North Texas Bldg., Dallas, at \$12,529, to rebuild 1 1/4 mi. Seyene road, near Mesquite.*

Tex., Eldorado—Schleisher County, W. F. Ford, County Judge, plans 7 mi. hard surface, Highway No. 30.

Tex., El Paso—El Paso County Commrs. receive bids July 12 to grade and pave 1 mi. Depot road with concrete or bituminous across Santa Fe tracks at Old Fort Bliss, into West San Antonio St.

Tex., Fort Stockton—Pecos County, Howell Johnson, County Judge, plans 15 mi. grading, bridges and surfacing, Highway No. 3, through county; estimated cost \$150,000; John Stovell, Res. Engr.

Tex., Fort Worth—City plans widening Magnolia Ave. 8 ft. between Main St. and Eighth Ave.; O. E. Carr, Mgr.

Tex., Fort Worth—Tarrant County, Emmett Moore, County Judge, plans .064 mi. bituminous macadam surfacing, Highway No. 2; G. W. Vourter, County Engr.

Tex., Franklin—Robertson County, Joe Y. McNutt, County Judge, plans completing 9.74 mi. gravel surfacing, Highway No. 43, Hearne to Precinct No. 3 line; granted \$15,000 aid; L. A. Peterman, County Engr.

Tex., Galveston—City Commrs. receive bids June 17 for 11,060 sq. yd. paving, 3025 lin. ft. curbing, sewer pipe, manholes, etc.; C. A. Holt, City Engr.

Tex., Galveston—City Commrs. receive low bid from H. J. Hetkes, 3110 Ave. F, at \$74,000 for cold-rolled asphalt street paving and reinforced concrete drain on Thirty-fifth St., Broadway to Seawall.

Tex., Georgetown—Williamson County, F. D. Love, County Judge, plans 6 mi. gravel and crushed stone surfacing, Highway No. 2-B, between Hutto and Round Rock; estimated cost \$42,000; M. C. Wilborn, Res. Engr.

Tex., Glen Rose—Somerville County, J. H. Adams, County Judge, plans 2 mi. surfacing, Highway No. 68, between Glen Rose and Erath County line, near Chalk Mountain; H. P. Hayes, Div. Engr., 515 Lincoln St., Fort Worth.

Tex., Houston—City, O. F. Holcombe, Mayor, received low bid from Gulf Bitulithic Co., Goggan Bldg., at \$14,694 to pave La Branch St.; at \$45,812 to pave Rosedale St.

Tex., Houston—Harris County, H. L. Washburn, County Auditor, receives bids June 21 to surface treat roads near Goose Creek and Humble; plans from County Engrs.

Tex., Jasper—Jasper County, F. A. Seale, County Judge, plans 12.38 mi. gravel or shell surfacing, Highway No. 62; estimated cost \$110,157; C. P. Hunter, County Engr.

Tex., Laredo—Webb County, A. Winslow, County Judge, plans 12.40 mi. grading, bridges and bituminous macadam surfacing, Highway No. 12-A, Oilton to Duval County line; estimated cost \$299,000; 1.24 mi. Highway 12-A, at Aquilares Underpass; estimated cost \$31,000; T. E. Huffman, County Engr.

Tex., Laredo—Webb County, A. Winslow, County Judge, plans 6.6 mi. Highway No. 12-A, Aquilares to Oilton, estimated cost \$98,000; T. E. Huffman, County Judge.

Tex., Lubbock—Lubbock County, Chas. Nordyke, County Judge, plans 17,587 mi. grading and bridges, Highway No. 7; B. K. Garrett, County Engr.

Tex., Madisonville—Madison County, T. Ferguson, County Judge, plans 12,562 mi. grading and bridges, Highway No. 21; S. J. Granberry, County Engr.

Tex., Memphis—Hall County, A. C. Hoffman, County Judge, plans 2 roads: 1.57 mi. concrete, Highway No. 5, from Memphis southeast; .88 mi. concrete Highway No. 5, Memphis to Donley County line; C. L. Hasie, County Engr.

Tex., Olney—City plans street paving, \$25,000 available; Montgomery & Ward, Const. Engrs., 545 Harvey-Snyder Bldg., Wichita Falls.

Tex., Sweetwater—Nolan County, A. S. Mauzey, County Judge, will let contract soon for 19,098 mi. grading and bridges, Highway No. 7; estimated cost \$20,089; John A. Focht, County Engr.

Tex., Waxahachie—Ellis County, H. R. Stovall, County Judge, plans 1.05 mi. bituminous concrete Highway No. 14, from Eighth St. Ferries to Dallas County line; estimated cost \$35,000; W. A. Spalding, County Engr.

Tex., Weatherford—State Highway Comm., Hal Moseley, Chmn., Austin, receives bids soon for 16.59 mi. 1-in. bituminous pavement, on bituminous concrete base course, between Weatherford and Palo Pinto County line, estimated cost \$350,000; A. C. Love, State Highway Engr.

Tex., Wichita Falls—Wichita County, B. D. Sartin, County Judge, receives bids June 28 for 1 1/2 mi. asphalt surfacing, Charlie Rd.; J. M. Isbell, Engr.

Va., Fortress Monroe—Constructing Quartermaster receives bids June 15 for clay-gravel road and 1000 ft. guard fence, at Big Bethel; plans on file.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Va., Princess Anne—Princess Anne County plans 3 macadam or sand and gravel roads: Seaboard Dist., 14 mi.; Pungo Dist., 16 mi.; 8 mi. road from Bell's Corner to Courthouse; total cost \$393,000; B. D. White, Nudge. See Financial News—Bond Issues Proposed.

Va., Alexandria—City plans expending \$22,728 to improve Washington St., King to Wythe; sidewalks on Russell and King St. Hill; also to surface-treat 35 gravel and other streets. Address City Clerk.

Va., Covington—State Highway Dept., H. G. Shirley, Chmn., Richmond, received low bid from Moore & Lesley, Staunton, at \$119,216, for 4.01 mi. 18-ft. bituminous macadam road, from point west of Rockbridge-Alleghany line to Longdale Furnace; also concrete beam span bridge over Simpson Creek.*

W. Va., Buckhannon—City plans paving Spring St., Main to railroad; street along R. R. tracks, Spring to Depot St.; Elizabeth and Pocahontas Sts. Address City Clk. See Financial News—Bond Issues Proposed.

W. Va., Huntington—City Commrs. receive bids June 21 to grade, curb and pave 6 streets, avenues, drives and roads, including Holswade Drive, Apple St.; plans from A. B. Maupin, City Engr.

W. Va., Wheeling—Ohio County Commrs., T. C. Stevenson, Clk., received low bid from H. L. Seabright Co., 70 43d St., at \$16,090, for 25,000 cu. yd. excavation, 3500 lin. ft. vitrified drain tile, 1100 lin. ft. 12-in. culvert installation, 50 cu. yd. concrete structures on Wheeling and Elm Grove County Rd.*

W. Va., St. Albans—City, F. D. Burgess, Mgr., receives bids June 24 to grade, pave, curb and otherwise improve Second Ave., Fifth to Second Sts.; plans on file.

Contracts Awarded

Ark., Osceola—Osceola and Little River Road Dist. No. 1, A. S. Rogers, Sec., let contract to Southern Material & Construction Co., Southern Trust Bldg., Little Rock, for about 15 mi. gravel road.

Fla., Boynton—Town, E. L. Winchester, Clk., let contract to White Construction Co., 1735 Fullerton Ave., Chicago, for 6 mi. 30-ft. Warrenite paving; estimated cost \$400,000.

Fla., Bunnell—Flagler County Commrs. let contract to D. D. Moody and Larrimore King, Flagler Beach, to improve 8 mi. Ocean Shore Blvd. right-of-way.

Fla., Jacksonville—Bayshore Co., Lloyd H. Harrison, V.-P. and Gen. Mgr., let contract to Foundation Co., 120 Liberty St., New York, at about \$750,000 for 17 mi. Bayshore Blvd. from Jacksonville to Ocean along St. Johns River.

Fla., Okeechobee—City and Okeechobee County Commrs., C. E. Simmons, County Clk., let contract to C. A. Steeds & Son, Kissimmee and Okeechobee, to build road on State Road No. 29, from Okeechobee to Osceola County line, connecting with highway to Kissimmee and on to Orlando.

Fla., Orlando—City, J. A. Stinson, Clk., let contract to Southern Clay Manufacturing Co., Volunteer State Life Bldg., Chattanooga, Tenn., to grade, curb, pave with brick and drain various streets, estimated cost \$801,000.*

Ga., Albany—City, C. Q. Wright, Mgr., let contract to MacDougald Construction Co., 315 Angier Road, Atlanta, for 25 blocks street paving.*

Ga., Atlanta—Meador Construction Co., 10 W. Harris St., Atlanta, has contract at about \$147,000 to pave, lay sidewalks, curbs, water mains and sewerage in second unit of Avondale Estates suburbs.

Ky., Ashland—W. G. McDowell, Ashland Estate, let contract to W. T. Congleton & Co., 3d and Walton Sts., Lexington, to pave with concrete Sycamore road, from Richmond road through Ashland property, 28 ft. wide, concrete sidewalks.

La., Cedar Grove—Town, W. G. McCord, Clk., let contract to Flenniken Construction Co., Cahn Bldg., Shreveport, at \$48,168, for 12,230 sq. yd. reinforced concrete paving on Caddo St.*

La., Mansfield—Town let contract to H. M. Silver, Mansfield, at \$77,012 for 13,575 sq. yd. 6-in. reinforced concrete, No. 6 wire mesh paving, 9230 lin. ft. 15-in. combined curb and gutter, 1:2.3 mix; 5090 sq. ft. sidewalks, 1:2.4 mix, etc.*

La., Plaquemine—Town, L. B. Leblanc, Clk., let contract at \$75,000 to Concrete Pipe Co., 2200 Euphrasine St., and H. A. Forrest, 918 Short St., both New Orleans, and Lock Joint Pipe Co., Dallas, Tex., for sidewalks and drainage.*

Miss., Meridian—City let contract at about

\$135,000 to Wright Construction Co., Meridian, and Dunn Construction Co., Chamber of Commerce Bldg., Birmingham, Ala., for paving about 13 streets and avenues.

Miss., Pass Christian—City let contract to Powers Construction Co., Gulfport, at \$60,275, for sidewalk, curb and gutter, and private driveway pavement.

Mo., California—City let contract to Dawson Construction Co., St. Louis, to pave Oak St., Buchanan to Howard.

Mo., Joplin—City let contract to Granite Bitulithic Co., to pave with Amiesite Pennsylvania Ave., Twelfth to Twenty-sixth St.; Independent Gravel Co., to pave Virginia Ave., Fifteenth to Twenty-fourth St. Address City Clk.

Mo., Springfield—City let contract to Stigall Construction Co., Benton and Talmage Sts., at \$1.50 per sq. yd., to pave Hill St., Benton to Kansas Ave.

N. C., Gastonia—City, D. L. Struthers let contract to Non Construction Co., Gastonia, at \$89,000 to pave streets and sidewalks.*

N. C., Siler City—Town, J. C. Gregson, Clk., let contract to Hedrick Construction Co., Salisbury, at \$115,000, for paving 10 blocks in business section, and highway No. 10, through town from east to west.*

Okla., Waukomis—H. L. Grady Construction, awarded contract at \$20,597 to pave portion of Main St. and Euclid Ave. Address City Clk.

Tex., Dallas—City let contract to Uvalde Paving Co., Santa Fe Bldg., Dallas, at \$56,134, to pave Orange St., Pacific to McKinney.

Tex., Fort Worth—City, O. E. Carr, Mgr., let contracts at about \$69,672 to pave with standard monolithic and lay drains on 8 streets; Southwell & Abbott, 605 E. Second St.; Tarrant Construction Co., 1005 Calhoun St.; J. M. Purvis, 112½ W. 90th St.

Tex., Galveston—City, Anne C. Kelley, Sec., let contract to W. D. Haden, American National Bank Bldg., at \$4,500 to mudshell Aves. J and E, Fortieth to Forty-sixth St.

Tex., Houston—City, O. F. Holcombe, Mayor, let contract to Charles K. Horton, 2202 Clay St., to gravel sections of Elgin, Davis, Newhoff, Conti, St. Bernard, Studewood, Seventh and Tabor Sts.

Tex., San Antonio—City, John W. Tobin, Mayor, let contract to Uvalde Rock Asphalt Co., First National Bank Bldg., at \$53,540 to pave 4100 ft. Guadalupe St. with 2-in. Uvalde rock asphalt on 6-in. concrete base.*

West Virginia—State Road Comm., Charleston, let contract for 15 roads and 5 bridges. Barbour County, 3 mi. macadam, Philippi-Century Road, James Cain, Elkins, \$77,621; Boone County, 7 mi. gravel surfacing, Madison-Clothier Road, Sutton Construction Co., Ashland, Ky., \$33,000; Grant County, pave Petersburg St., Folino Construction Co., Keyser, \$24,507; Jackson County, 8 mi. Ripley-Kanawha Line Road, H. W. Curry & Co., Eaton, Ohio, \$201,588; Lincoln County, 3 mi. grading, Griffiths-Yawkey Road, S. C. Isaacs & Co., West Hamlin, \$37,854; Logan County, ½ mi. grading approach, S. C. Isaacs, \$6136; 4 mi. gravel surfacing, Blair-Wetzel Road, Hunt-Forbes Construction Co., First National Bank Bldg., Huntington, \$34,953.

In Marshall County, 6 mi. concrete paving, Moundsville-Cameron Road, K. E. Reed & Co., South Charleston, \$93,800; Mason County, 1 mi. grading, Letart Road, Billups & Wellman, Huntington, \$10,966; Mineral County, 3 mi. macadam, Blaine-Elk Garden, ings Bank Bldg., Fairmont, \$58,840; Mingo Monongahela Construction Co., Home Sav-County, 5 mi. grading, Nolan-Naugatuck, Messenger & Hager, Huntington, \$99,466; Pleasants County, 7 mi. grading, St. Mary's Wood Line Road, Wetzel Construction Co., New Martinsville, \$64,275; Preston County, 5 mi. paving, Thomas-Oakland, Monogahela Construction Co., \$125,480; Wayne County, 1.5 mi. grading, Lavalette-Kenova, Price Construction Co., Huntington, \$17,807; 11 mi. grading and gravel surfacing, Lavalette-Wayne Road, George L. Pence, 1202 12th St., Huntington, \$147,707.

In Harrison County, Quiet Dell Bridge, O. A. Queen, Buckhannon, \$15,684; Logan County, Peeks Mill Bridge, superstructure, Mount Vernon Bridge Co., Mount Vernon, Ohio, \$57,424; substructure, Barbourville Construction Co., Huntington, \$19,097; Marion County, Whitson Bridge, superstructure, Standard Engineering & Contracting Co., Toledo, Ohio, \$96,518; substructure, C. M. Chaplin & Co., Morgantown, \$44,485; Mason County, Crab Creek Bridge, Skene, McAlpin Construction Co., Point Pleasant, \$16,687; Putnam County, Buffalo Bridge,

Mathews & Jarrett, South Charleston, \$16,047.*

W. Va., Huntington—City Commrs. let contracts at \$17,258 to pave 4 alleys: J. A. Griffith, 1561 Washington Ave.; T. C. Griffith, 450 Adame Ave.; Harrison & Dean, 921 Fifth Ave.; J. Ullom.*

W. Va., Logan—Island Creek Coal Co., 14th St., Huntington, A. R. Beisel, Gen. Mgr., for Logan Field, let contract to Pete C. Minotti, Logan, at about \$250,000, to grade 7½ mi. road from Holden to Pine Creek.

Sewer Construction

Large sums are being expended for sewage facilities in connection with Land Development operations. Details will be found under that classification.

Ala., Birmingham—City, A. J. Hawkins, Engr., receives bids June 22 for storm sewers in Woodlawn section. (See Machinery Wanted—Storm Sewers.)

Ala., Selma—City let contract to F. D. Harvey & Co., 688 S. Bellevue St., Memphis, Tenn., for sanitary sewers; W. O. Crisman, City Engr.*

Fla., Clearwater—American Sanitary Sewerage Co., Tampa, has contract for 3 disposal basins for sewer system; Palmer St. Clair, engineer in charge.

Fla., DeLand—See Roads, Streets, Paving. Fla., Lakeland—City voted bonds for sewer extension. See Financial News—Bond Issues Proposed.

Ga., Atlanta—See Roads, Streets, Paving.

Ga., Homerville—City plans installing sewer and water system. See Financial News—Bond Issues Proposed.

Ky., Danville—City plans extension to sewer and water systems. See Financial News—Bond Issues Proposed.

Ky., Paducah—City, J. N. Bailey, Mayor, will probably issue bonds in July for extension of sewers to Rowlandtown.*

Md., Baltimore—Board of Awards receives bids June 16 for sewers in Districts J-7 and J-8. (See Machinery Wanted—Sewers.)

Md., Cumberland—J. H. Kimball, Conslt. Engr., has prepared plans for re-sewering central section of city to prevent floods.

Mo., Mexico—W. A. Hendrix & Son have contract for Breckenridge St. sewer.

Mo., Saint Jo—Douglas & Davenport, Wichita Falls, Tex., low bidders for sewers.

N. C., Sylva—City, Dan Tompkins, Mayor, let contract to Foster Construction Co., North Wilkesboro, for extension of sewer and water system; Gilbert C. White Co., Engrs., Five Points, Durham.*

N. C., Walnut Grove—City plans completing sewer system. See Financial News—Bond Issues Proposed.

Okla., Muskogee—City, W. H. Cavanaugh, Clk., receives bids June 14 for sewer and water extension. (See Machinery Wanted—Sewers and Water.)

Okla., Oklahoma City—Green-Boots Construction Co., 519½ W. Main St., Oklahoma City, has contract for Division A sanitary main sewer extension and Boardman Co., Maple and Hawk Sts., contract for Division B settling tanks, sludge beds, contact tanks and appurtenances, comprising Canadian River sewage disposal works.*

S. C., York—See Water Works.

Tenn., Brownsville—A. L. Dabney, Columbia Mutual Tower Bldg., Memphis, reported has contract for sewer system.

Tex., Cross Plains—City will construct sewer system and disposal plant; Koch & Fowler, Engrs., 801 Central Bank Bldg., Dallas.

Tex., El Campo—City will construct sewer system and disposal plant; F. J. Von Zuben, Engr., 611 Dan Waggoner Bldg., Fort Worth.

Tex., Haskell—City rejected bids for sewer improvements; will revise plans, call for new bids; Douglas & Mitchell, 409 Perkins-Snyder Bldg., Wichita Falls, Engrs.*

Tex., Panhandle—City voted \$100,000 sewer bonds; Devlin Engineering Co., Engrs., Wichita, Kansas.*

Va., Richmond—City let following contracts for sewers: To W. J. McLane, 2402 Edgehill Rd., at \$175,858, for precast reinforced concrete pipe storm sewer west of Belt Line; Hughes & Keegan, 508 St. James

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

St., at \$32,673, for combined sewer south of Cary St., reinforced concrete and terra cotta pipe; H. D. Driscoll, at \$15,877, for Decatur St. combined sewer, reinforced concrete and terra cotta pipe; J. C. Cheatwood, 2511 N. Twelfth St., at \$10,263, for terra cotta; A. G. Rolfe, 2506 Hanover Ave., at \$16,400, for Riverview sewer system, two-piece segment block and terra cotta pipe, and at \$14,551 for two-piece segment block and terra cotta sewer on Tobacco St.; R. Keith Compton, Director Public Works.

W. Va., Huntington—City receives bids June 21 for sewers on various streets. (See Machinery Wanted—Sewers.)

W. Va., Huntington—Amos Trainer & Son, 1128 Ninth Ave., have contract at \$16,514 for Thirty-first St. sewer; T. E. Walker, 2839 Third Ave., for sewer in Five and One-half Alley.*

Telephone Systems

Ala., Montgomery—Southern Bell Telephone and Telegraph Co., main office, Atlanta, Ga., plans expending approximately \$104,000 for cable extensions, etc.; W. A. Bare, State Mgr.

Florida—Southern Bell Telephone & Telegraph Co., main office Atlanta, Ga., reported will expend during 1926 more than \$9,500,000 in state of Florida for additions and replacements to telephone system; construction program provides additional telephone facilities, new long distance lines and reconstruction work on present toll lines.

Md., Baltimore—Chesapeake & Potomac Telephone Co., Geo. H. Warren, Gen. Mgr., 5 Light St., plans establishing new telephone exchange at the Gibson Island colony, to be known as "Gibson Island;" estimated cost \$25,000.

Md., Cumberland—Chesapeake & Potomac Telephone Co. granted 25-year franchise by city of Cumberland.

N. C., Lenoir—Lower Creek Telephone Co., capital \$10,000, incorporated; S. L. Austin, Hill Livingston.

Okla., Mayfield—Modern Telephone Co., incorporated; Y. C. Fuchs, J. A. Hunt.

Tenn., Knoxville—Peoples Telephone & Telegraph Co., J. C. Duncan, Pres., 313 Commerce Ave., reported, acquired lines and office of Newport Telephone Co.; make improvements; W. A. Allie in charge of office.

Textile Mills

Ala., Eufaula—E. R. Merrill, Andalusia, and W. N. Rushton, Evergreen, reported acquired Marcelle Cotton Mill.

Ala., Lanett—Lanett Bleachery and Dye Works, West Point, Ga., advises are erecting 2-story building, 100x60 ft., brick and concrete construction, to house waterproofing and napping equipment; practically all machinery purchased; Batson-Cook Co., West Point, Contr.; J. E. Sirrine & Co., Engrs., Greenville, S. C.*

Ga., LaGrange—Unity Spinning Mills are erecting main mill and warehouse group; La Grange Lumber & Supply Co., Contrs.; plant will manufacture coarse yarn from waste, having 3168 spindles with necessary preparatory machinery; main building 217x132 ft.; 1 story and basement; daylight construction with plank on steel beams and floors of plank on tar concrete; warehouse group will contain opener room 60x100 ft., basement and 1 story, brick, plank and timber construction; 3 compartment warehouse, 2 stories, brick, plank and timber, with floor area of 28,560 sq. ft.; J. E. Sirrine & Co., Engrs., Greenville, S. C.*

Ky., Paducah—Cohankus Mfg. Co., Ninth and Boyd Sts., reported to rebuild portion of mill burned at loss of \$17,000.

N. C., Burlington—Flint Hosiery Co., capital \$50,000, incorporated; D. B. May, R. A. Coble.

N. C., Leaksville—Carolina Cotton & Woolen Mills reported let contract to J. M. Hooper Construction Co. for 15 cottages, and to John Smith for 5 cottages, dye house and additional storage room; cost \$50,000.

N. C., Lexington—Holland Hosiery Co., capital \$50,000, incorporated; W. J. Vestal, Jr., Dr. W. J. Vestal, Sr.

S. C., Darlington—MacDonnell Seri-Culture Co., Frederick, Md., advises that company has been experimenting with production of silk at plantation at Darlington; will begin operation on large scale, manufacturing spun silk; will probably not erect factory at this time; will construct breeding sheds with interior arrangement of trays, and large amount of fine wire; will set out mulberry orchards from nursery stock; will

have refrigerating house for cold storage of eggs and steaming equipment; later may be interested in purchasing machinery to produce spun silk from silk waste.*

S. C., Piedmont—Piedmont Manufacturing Co. let contract to Fiske-Carter Construction Co., Masonic Temple Bldg., for 2 opener rooms; J. E. Sirrine & Co., Engrs., both Greenville.

Tenn., Nashville—Robert & Co., Inc., Archts. and Engrs., Bona Allen Bldg., Atlanta, Ga., advises following contracts let for textile mill for Thomas Henry & Sons, Inc.; to Walsh & Weidner, W. Main St., Chattanooga, for boilers; John Bouchard & Sons Co., 1024 Harrison St., for heating; Rock City Construction Co., 150 Fourth Ave., N., for fire protection; R. D. Cole Manufacturing Co., Newnan, Ga., for 75,000-gal. tank and tower; total, \$25,000.*

Va., Bassett—Bassett Knitting Mill, Inc., R. L. Stone, Pres., is completing men's knit underwear plant; 80x160 ft.; 2 stories; cost \$15,000. (See Machinery Wanted—Knitting Machinery.)

Va., Wytheville—Inspiration Hosiery Mills, A. V. Victorious, Pres., 370 Broadway, New York, reported let contract to Morris O. Miller, for erecting hosiery mill.

Water Works

Large sums are being expended for water-works in connection with Land Development operations. Details will be found under that classification.

Ala., Northport—Town let contract to Skinner & Maxwell, Tuscaloosa, for water and sewers.*

Ala., Pell City—City plans voting on bonds for water works; R. L. Totten, Engr., Brown-Marx Bldg., Birmingham.

Ark., Prairie Grove—Water Works Improvement District No. 2, C. H. Sherman, Chrmn., receives bids July 1 for gravity system, reinforced concrete reservoir and filter plant.

Fla., DeLand—See Roads, Streets, Paving.

Fla., Gulfport—Town, W. W. Swift, Clk., receives bids July 6 for furnishing and installing complete water works system. (See Machinery Wanted—Water Works.)

Fla., Miami—City, E. C. Romfh, Mayor, and Miami Water Co., 47 W. Flagler St., reported to expend \$1,500,000 for water works extensions during 1926; provide 36-in. feeder line from municipal plant at Hialeah to center of downtown Miami interconnecting with existing system of mains; install additional pump capacity at golf ground pumping station.

Fla., Sarasota—City Council will probably grant franchise to I. G. Archibald for water plant at Siesta Key.

Fla., Sarasota—City, J. R. Brumby, Commr. Public Works, receives bids June 14 for 300,000 gal. concrete reservoir and pumping station; estimated cost \$35,000.*

Fla., St. Andrews—J. B. McCrary Engineering Corp., Atlanta, Ga., are constructing water works system; U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J., cast iron pipe; Columbian Iron Works, Chattanooga, Tenn., hydrants and valves; all materials purchased and contracts let.*

Ga., St. Petersburg—City let contract to R. D. Cole Manufacturing Co., Newnan, Ga., for 2 elevated tanks of 500,000 gals. each, steel construction.

Ga., Atlanta—See Roads, Streets, Paving.

Ga., Homerville—City plans installing water and sewer system. See Financial News—Bond Issues Proposed.

Ky., Danville—City plans extension to water and sewer systems. See Financial News—Bond Issues Proposed.

Miss., Natchez—City plans improvement to water works. Address The Mayor.

Miss., Purvis—City State Investment Co., Frederick S. Mordant, Gen. Mgr., 128 N. Wells St., Chicago, Ill., advises: "Have taken over municipal lighting plant and are installing complete new plant; Fairbanks-Morse full Diesel engine, complete water works system, a 75,000-gal. tank to furnish town and Southern Railway at Purvis with 100,000 gal. water daily; have also acquired lighting plant at Bay Springs; are junking entire plant and putting in entire new system, Fairbanks Morse full Diesel engine, water works system and ice plant; within

next 30 days will acquire 2 additional plants."

Mo., Parma—City plans construction of water works system. Address The Mayor.

N. C., Asheville—City is receiving bids June 21 for White Fawn Gap storage reservoir, capacity 10,000,000 gals.; Charles E. Waddell, Engr., Jackson Bldg. (See Machinery Wanted—Water Works.)

N. C., Liberty—City receives bids about July 20 for water and sewer system; Spoon, Lewis & Camp, Const. Engrs., 407 American Bank Bldg., Greensboro.*

N. C., Tryon—Kelly-Wilson Co., 12 Market St., Asheville, has contract for water works, cost \$150,000.*

N. C., Walnut Cove—City plans completing water system. See Financial News—Bond Issues Proposed.

N. C., Sylva—City, Dan Tompkins, Mayor, let contract to Foster Construction Co., North Wilkesboro, for extension of water and sewer system; Gilbert C. White Co., Engrs., Five Points, Durham.*

Okla., Chickasha—City will expend \$150,000 for extensions and improvements to water works; construct 18-in. service and main supply line from river, install pumps and motors; Robt. O. Bradley & Co., Const. Engrs.*

Okla., Enid—City let contract to Earl L. Baker Well Co., Oklahoma City, for drilling and equipping 3 wells.*

Okla., Miami—City Comsn. let contract to Fairbanks-Morse & Co., 217 S. Eighth St., St. Louis, Mo., for oil engine, and to Jones Supply Co. for Sullivan compressor for water supply; pumping capacity 650 gal. per minute.

Okla., Muskogee—City, W. H. Cavanaugh, Clk., receives bids June 14 for water and sewer extensions. (See Machinery Wanted—Sewer and Water Works.)

Okla., Okmulgee—Commons. of Finance receives bids June 21 for pipe line. (See Machinery Wanted—Water Works.)

S. C., Fort Mill—City, George W. McKenzie, Mayor, considering proposition of Fort Mill Mfg. Co. to lay pipe lines from Catawba River to Fort Mill for water supply; authorized extension of water lines to section beyond Clebourne St.

S. C., York—City let contract to Boyd & Goforth, Independence Bldg., Charlotte, N. C., for purification plant, sewer and water extensions; 14,000 ft. of 6-in., 3500 ft. of 8-in., 500 ft. 10-in., 2500 ft. of 12-in., 3000 ft. of 4-in. cast-iron mains, 43 fire hydrants; 12,000 ft. terra cotta sewer mains; build earth and concrete dam 16 ft. high by 400 ft. long; concrete gate shaft; filter plant complete, 1,000,000-gal. capacity; concrete, brick and steel construction; new concrete reservoir, 300,000-gal. capacity; two 375-g.p.m. and one 750-g.p.m. service pumps; reinstall old 750-g.p.m. pumps; two 250-g.p.m. sewage pumps, all electric driven; erect one 25,000-gal. steel tank on 35-ft. tower; erect 150,000-gal. steel tank on 125-ft. tower; construct 2 sewage pump stations, concrete and steel construction; Columbia Clay Co., Columbia, S. C., has contract for terra cotta pipe; U. S. Cast Iron Pipe Co., Birmingham, Ala., for cast-iron pipe; Worthington Pump & Machinery Corp., New York, for pumps; other material not purchased; Carolina Engineering Co., Engrs., Johnston Bldg., Charlotte, N. C. (See Machinery Wanted—Subway Grating; Structural Steel; Steel Sash; Steel Chairs; Sluice Gates; Sheer Gates Brick.)

Tenn., Knoxville—City will soon call for bids for constructing 16-in. water main across Tennessee River; Alexander Harris, Director of Public Works.*

Tenn., Nashville—City received low bid from G. B. Howard, Shelby Ave., for foundations for pumping station and installing boilers for water works extensions; the J. N. Chester Engineers, Union Bank Bldg., Pittsburgh, Pa.*

Tex., Amarillo—City, Jeff D. Bartlett, Mgr., receives bids June 14 for water supply line. (See Machinery Wanted—Water Works.)

Tex., Muleshoe—City plans water works system; cost \$40,000; Montgomery & Ward, 545 Harvey-Snyder Bldg., Wichita Falls, Const. Engrs.

Tex., Nordheim—City receives bids June 28 for water works improvements. (See Machinery Wanted—Water Works.)

W. Va., Nutter Fort—City, H. P. Squires, Mayor, contemplates installing water works. See Financial News—Bond Issues Proposed.*

W. Va., Weston—Weston Electric Light, Power & Water Co. installing water line.

W. Va., Wheeling—City, H. L. Kirk, Mgr., receives bids June 15 for pipe, fittings, fire

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hydrants. (See Machinery Wanted—Water Works.)

W. Va., Williamson—City, Lafe P. Ward, clk., receives bids June 25 for water works improvements. (See Machinery Wanted—Water Works.)

Woodworking Plants

Ala., Attala—Shipley Cooperage Co., Inc., capital \$25,000, chartered; Thomas Shipley, Pres., successors to Hays Cooperage Co.

Arkansas—Fisher Body Co. of St. Louis, Mo., reported acquired 30,000 acres land in Monroe County containing approximately 300,000,000 ft. timber; will develop.

Ark., Russellville—The Export Cooperage Co., W. R. Taylor, Pres., Memphis, Tenn., purchased 12 acre site; will erect stove mill and finishing plant.

Ga., Atlanta—High Point Bending & Chair Co., F. J. Bolling, V-P., Silver City, N. C., reported acquired site on Glenwood Ave.; erect \$115,000 factory, to be erected within the next year or so; has assembling plant at 481 Whitehall St.

Ga., Jakin—Cabinet Work—Jakin Novelty Works, will erect 80x100-ft. plant, galvanized, concrete floor, galvanized roof; begin construction late this year or first of 1927; install band saw, jointer, surfacer, tenoner, cutoff saw, all motor driven. (See Machinery Wanted—Woodworking Machines; Motor.)

Ga., Savannah—Furniture, etc.—South-eastern Manufacturing Co., capital \$200,000, incorporated; Victor B. Jenkins, care of Citizens & Southern Bank; V. B. Jenkins, V-Pres., advises: "Have acquired 3-story, 60x325-ft. concrete building at 50th and Montgomery Sts., equipped with practically new machinery; first floor concrete, other floors wood, have dry kiln, also side track running through property; will manufacture caskets; later contemplate making furniture. (See Machinery Wanted—Lumber; Cloth; Casket Handles.)"

La., Alexandria—The Arkansas Oak Flooring Co., 2200 W. Fifth St., Pine Bluff, Ark., reported having plans made for new plant, including 1-story, 90x290-ft. mill, 120x192-ft. warehouse, with other buildings 90x127 and 20x125-ft., with power house; estimated cost \$100,000; W. C. O'Brian, Engr. in charge of construction.

La., New Orleans—Great Southern Wire-bound Box Co., Inc., capital \$50,000, chartered; Ed. B. Martin, Pres., 1403 St. Louis St.

Md., Cumberland—Dodd Furniture Co., capital \$10,000, incorporated; Fred A. Dodd.

FIRE DAMAGE

Ala., Montgomery—Forest Products Co.'s plant, loss \$50,000; J. S. Storey, Pres.-Gen. Mgr.

Ala., Montgomery—Auto Block Manufacturing Co.'s plant; loss between \$75,000 and \$100,000.

Ala., Tuscaloosa—Black Warrior Duco Paint Shop, owned by A. G. Allison; Coco Pep Co., Greensboro Ave., owned by J. Robertson; loss about \$30,000.

Ark., Arkadelphia—Residence of Alfred Duke, County Clerk.

Ark., Leslie—Ward Cash Store, B. D. Knight Clothing Co. and other buildings; loss \$25,000.

Ark., Pine Bluff—Sawmill of the Graves Brothers Corp., loss \$25,000.

Ark., Rison—Sawmill owned by Knowles-Sadler.

D. C., Washington—Machinery and equipment of Heurich's Brewery, Twenty-sixth and G Sts.

Fla., Fort Lauderdale—Residences owned by Al Schroper and C. E. Rousch.

Fla., Lake Worth—Residence of J. A. White and Elker Bunn, 16th and J Sts.; loss \$13,000.

Fla., Madison—B. E. Lawton's residence, N. Shelby St.

Fla., New Port Richey—Enchantment Inn; loss \$50,000. Address The Proprietor.

Fla., Palmetto—J. E. Pedrick's packing house; loss \$25,000.

Ga., Juliette—Juliette Milling Co.'s plant, loss \$150,000.

Ky., Louisville—C. Fred Kleffer, feed store; Everett A. Ash, Shoe repair; Courtney

R. Newkirk, drug store; Dr. Aubrey Jones, office; loss \$38,600.

Ky., Louisville—Office and storage plant of the Bond Brothers Hardwood Mills, loss \$50,000.

Ky., Mt. Sterling—Arnold Eggleston store building; loss \$10,000.

Ky., Richmond—Madison County Court-house, E. C. McDougle, County Judge; loss \$7500.

La., New Orleans—Rebecca Warehouse Co. building, 215 Julia St.

La., Rochelle—Bridge over Little River near Rochelle, on main line Missouri, Pacific R. R. Address E. M. Hadley, Ch. Engr., St. Louis, Mo.

Miss., Purvis—Postoffice building; address the Postmaster; Purvis Bakery, two Nicholas Markets, Ladner Garage, Cook Grocery, Smith Barber Shop; loss \$25,000.

Miss., Starkville—Two dwellings owned by H. D. Doxey, occupied by Henry Doxey and Roy Yewell; loss \$12,000.

Mo., Joplin—Plant of East Joplin Foundry Co., 1201 North St., operated by Dewey Reed and associates.

Mo., St. Louis—Building at 2502 Cass Ave. occupied by Trovo Motor Products Co. and King Bee Spark Plug Co.; loss \$15,000.

N. C., Clinton—Two saw mills owned by Muriel Lumber Co.

N. C., Dallas—Store and undertaking establishment of Costner & Lohr; loss \$25,000.

N. C., Smithfield—Austin's Department Store, W. H. Austin, proprietor.

N. C., Wilmington—Pavilion at Shell Island, negro resort owned by J. G. Wright & Son, 124 Princess St.; loss \$20,000.

S. C., Kershaw—Freight station and cotton platform of Southern Railway, Henry W. Miller, Vice-Pres., Washington, D. C.; Bank of Kershaw, loss \$150,000.

BUILDING NEWS

BUILDINGS PROPOSED

Association and Fraternal

Ark., Fort Smith—Fraternal Order of Eagles contemplates \$200,000 building.

Fla., Daytona Beach—Benevolent Protective Order of Elks plan remodeling and addition to building; new furniture and lighting fixtures.

Fla., Delray—Knights of Pythias, Colored, erect building, West Delray; store on first floor, lodge room above.

Fla., St. Petersburg—Ancient Free and Accepted Masons, T. D. Birchfield, Trustee, enlarge building, South St., S., and Second Ave.; cost \$150,000 to \$175,000.

La., Hammond—H. W. Carroll, Sec., Livingston Lodge No. 160, A. F. & A. M., advises will not build temple in near future.*

Tex., Fort Worth—Various Masonic lodges will erect \$1,000,000 temple, Texas and Henderson Sts.; Claud Cross, Sec. of General Comm., 609 Commerce St.; W. G. Clarkson & Co., Architects, First Natl. Bldg.*

Tex., Fort Worth—Masonic Home and School, Nat. M. Washer, Pres., Board of Trustees, E. Houston St., San Antonio, having plans drawn by J. B. Clarkson for \$75,000 to \$100,000 boys' dormitory.*

Bank and Office

Fla., Dunedin—Bank of Dunedin, A. H. Grant, Cashier, erect \$60,000 building; Italian Renaissance type, 2 stories, 50x87 ft.; Theo. H. Skinner, Archt.

Fla., St. Petersburg—Harry M. Campbell represents organization to erect 2-story Professional Bldg., Beach Drive and Eighth Ave. N.; Spanish type, about 24,000 sq. ft. floor space.

Ky., Paducah—Security National Bank plans enlarging building.

Md., Baltimore—Federal Reserve Bank of Richmond, A. H. Dudley, Managing Director, soon call for bids to raise structure on site of proposed \$1,025,000 branch bank, Lexington and Calvert Sts.; general bids about July 1; 5 stories and basement, 125x100 ft.; Italian Renaissance type, Indiana limestone; Parker, Thomas & Rice, Architects, Union Trust Bldg.*

Miss., Natchez—City Bank & Trust Co. has low bid at \$39,900 from McArthur & Mc-

S. C., Mayesville—Dr. E. M. Davis' residence, Church St.

S. C., Prosperity—Saner Lumber Co.'s plant, loss \$10,000.

Tenn., Elizabethton—Bemberg Hotel, owned by Mrs. Boyd Richardson; loss \$10,000.

Tenn., Ethridge—T. D. Fite's store; Dixon's soft drink stand; bank; and postoffice, address The Postmaster; loss \$20,000.

Tenn., Jackson—W. H. Butler's residence, 209 Pleasant Ave.

Tenn., Kingston—Childress & Martin Bldg., residences of J. A. Newhouse, William Jackson and Rev. Zach Manis; loss \$20,000.

Tenn., Knoxville—Building at 8 Market Square, owned by Mrs. John K. Shields; loss \$60,000.

Tenn., Lexington—New plant of the City Ice & Coal Co.

Tex., Floresville—Residences of Mayor S. V. Houston, loss \$20,000, and J. T. Houston, loss \$12,000.

Tex., Corsicana—Green Flats, owned by W. J. Green.

Tex., Denton—Sidney A. Gibson's residence near Denton; loss \$15,000.

Va., Lexington—Rockbridge Baths Hotel near Lexington. Address The Proprietor.

Va., Roanoke—Building at 123 Salem Ave. occupied by Harris Cleaning & Pressing Shop, Ideal Taxi Co.; owned by John E. Buck.

Va., Suffolk—Montgomery Lumber Co.'s plant; loss \$150,000.

W. Va., Philippi—Philippi Bakery, Raymond Johnson's Garage, Luther Hawk's residence, Opera House, Yeager's Plumbing Shop, postoffice, and other buildings.

W. Va., Wheeling—Mrs. Paul McCulley's residence, Highland Park; loss \$10,000.

Lemore, Meridian, for altering and erecting addition to 3-story brick building for banking quarters; low bid for fixtures, Taylor-Palmer Co., Milwaukee, Wis., \$14,825; vaults, Herring, Hall & Morvin Safe Co., 1801 First Ave., Birmingham, Ala., \$9649; plumbing and heating, Thos. J. Holmes, 119 S. Commerce St., Natchez, \$3500; Weiss & Dreyfous, Archts., Maison Blanche Bldg., New Orleans.*

Mo., Jefferson City—Pete Schell, Prop. Schell Music Store, High St., remodel and redecorate Merchants Bank Bldg., occupied by banking quarters and 2 stores.

N. C., Greensboro—Richardson Realty Co. receives bids June 7 for Leftwich Arcade, N. Elm St.; 4 stories, 75x140 ft.; Harry Barton, Archt., Jefferson Standard Bldg.*

S. C., Kershaw—Bank of Kershaw rebuild structure noted burned.

Tenn., Dickson—Citizens National Bank let contract for building.

Tex., Beaumont—Forest Lawn Memorial Park, Box 845, E. D. Leach, Pres., erect office building, 2 dwellings and garages and community mausoleum, connection with development of cemetery.

Tex., Corpus Christi—S. M. Nixon and associates have low bid at \$156,263 from Lon T. Wright & Co., 910 Builders Exchange Bldg., San Antonio, for office building; plumbing and heating, A. H. Shafer, 418 N. St. Mary's St., \$20,587; wiring, Braden-Hudson-Wrangler Co., 305 E. Commerce St., \$5478; Adams & Adams, Gibbs Bldg., San Antonio; C. T. Fincham, City Nat. Bank Bldg., Corpus Christi, Asso. Architects; W. E. Simpson Co., Engr., Nat. Bank of Commerce Bldg., San Antonio.*

Tex., Houston—Gibraltar Savings & Building Assn., I. Friedlander, Sec.-Gen. Mgr., 407 Colquitt St., erect annex; 2 stories and mezzanine, brick, fireproof, vault.

Tex., Levelland—First National Bank, John H. Doyle, Pres., ready for bids on face brick, tile and reinforced concrete building; 2 stories, 30x90 ft., Johns-Manville roof, vault doors, coal chutes, cost \$25,000; Harvey C. Allen, Archt., Lamesa.

Tex., Quanah—Security National Bank remodel building; cost \$20,000 to \$25,000.

Tex., Weslaco—R. C. Waters erect \$75,000 store and office building; 4 stories, 100x129 ft.; E. Newell Waters, Archt.

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Churches

Ala., Prichard—Second Baptist Church, Rev. R. W. Jordan, Pastor, start work about June 15 on church and Sunday school.*

Ark., Fort Smith—Methodist Episcopal Church, South, erect 1-story, brick building, South Fort Smith. Address The Pastor.

Fla., Delray—Ebenezer A. M. E. Church erect building, West Delray.

Fla., Fernandina—Lutheran Church, Amelia City, Amelia Island, plans building.

Fla., Jacksonville—Sharpe Memorial Church, 48th St. and Lakeshore Drive, erect building, vicinity St. John's and Lakeside Parks.

Fla., Jacksonville—Woodlawn Baptist Church, Rev. Walter J. Meade, Pastor, erect \$50,000 building, Stockton and Roselle Sts., Riverside.

Fla., Jacksonville—First Christian Church, Rev. J. T. Boone, Pastor, having plans drawn by R. H. Hunt Co., James Bldg., Chattanooga, Tenn., for rebuilding burned structure, W. Hogan and Monroe Sts.; basement, 3 stories and gallery; auditorium seat 1200 to 1500.*

Ga., Edison—Methodist Episcopal Church, South, Rev. L. E. Brady, Pastor, erect \$14,000 brick veneer building; Sunday school section 2 stories, 65x54 ft.; plans by H. M. King, Archt., Sec., Board of Church Extension, Louisville, Ky. Address Rev. Mr. Brady. See Machinery Wanted.

Ky., Lexington—Porter Memorial Baptist Church, Rev. A. L. Goodrich, Pastor, having plans drawn by John T. Gillig, Fayette Bank Bldg., for \$50,000 to \$60,000 main auditorium, 730 S. Limestone St.; brick and steel, 3 stories, seat 600, wood floors, stone foundation; will open bids in Spring, 1927. Address Owner.*

Ky., Versailles—St. Paul's A. M. E. Church has \$10,000 campaign to complete building. Address A. C. Hunter, president of Bank of J. Amsden & Co.

La., Ruston—Trinity Methodist Church, T. L. James, Chmn., Bldg. Comm., selected Witt, Seibert & Halsey, Texarkana, Ark. Tex., as architects for \$170,000 building.*

Md., Brooklyn, Baltimore—Brooklyn M. P. Church, Rev. H. O. Keen, Pastor, plans Sunday school; concrete, brick and stone, install central heating plant, renovate present church; cost about \$30,000.

Md., Rockville—Christ P. E. Church, Rockville, and Ascension P. E. Church, Gaithersburg, plan \$15,000 parish house; raising funds.

Miss., Gulfport—First Christian Church, R. W. Priestly, Trustee, plans church and Sunday school, 31st Ave. and 11th St.

Mo., Joplin—First Methodist Church erect \$30,000 Sunday school annex; probably stone, 3 stories, 40x92 ft.; considering plans by Percy Simpson, 323 S. Main St., Carthage; Miller Construction Co., and Truman Martinie, 420 N. Wall St.

Mo., St. Louis—Typhers Israel Congregation erect \$100,000 synagogue, Enright Ave. and Skinker Rd. Address The Rabbi.

N. C., Brevard—St. Phillips P. E. Parish, Rev. Harry Perry, Rector, receives bids June 22 for stone building; separate bids for stone work, interior work and church as a whole; cost \$20,000, 100x40 ft., oak floors, stone foundation, steam heat, indirect lighting; seat 250; furnishings, equipment, etc., \$5000; plans and specifications from Louis H. Asbury, Archt., 1514 E. Fourth St., Charlotte, or from Rector.*

N. C., Carthage—Baptist Church receives bids June 11 for building; Wilson, Berryman & Kennedy, Archts., Palmetto Bldg., Columbia, S. C. I. O. O. F. Temple, Raleigh, N. C., and Charlotte, N. C.

N. C., High Point—East End Methodist Church has completed plans by H. Hunter for \$40,000 building, E. Green and Thistle Sts.; auditorium seat 500, Sunday school 800; shale brick over tile and granite, 3 stories, 130x45 ft., cement foundation, slate roof; bids opened June 15. See Machinery Wanted.*

Okla., Cleveland—First Christian Church rejected bids for brick and stone addition; revise plans; cost \$100,000; Hawk & Parr, Archts., Cotton Exchange Bldg., Oklahoma City.*

Okla., Hobart—First M. E. Church, South, Second and Washington Sts., Walter B. Stephens, Sec. Bldg. Comm., care Home State Bank, receives bids June 21 for brick building; 2 stories, 58x114 ft., concrete foundation, zinc roof; cost \$50,000, including lights, plumbing and heating; furnishings, equipment, etc., \$10,000; Hawk & Parr,

Archts., Cotton Exchange Bldg., Oklahoma City. See Machinery Wanted.*

Okla., Holdenville—First Baptist Church erect \$50,000 building, Broadway and 9th St.; 3 stories, 135x81 ft., concrete floors and foundation, asbestos roof; furnishings, equipment, etc., \$15,000 (address equipment proposals to Mrs. Lloyd Thomas); F. A. Dugan, Archt., 219 Castle Bldg.; W. D. Blacker, Asso. Archt., 1152 S. Trenton St., both Tulsa. Address J. E. Kirk, 310 N. Broadway, Holdenville. See Machinery Wanted.*

Okla., Oklahoma City—Epworth Methodist Church, Rev. W. L. Broome, Pastor, receiving bids for auditorium addition; cost \$50,000; Hawk & Parr, Archts., Cotton Exchange Bldg.*

Tenn., Nashville—Pleasant Green Baptist Church, Colored, erect building; McKissick & McKissick, Archts.

Tenn., Oneida—Methodist Episcopal Church plans enlarging building. Address The Pastor.

Tenn., Sparta—First Christian Church broken ground for building; sand brick; main auditorium, Sunday school and community rooms; basement. Address The Pastor.

Tex., Austin—Central Christian Church receives bids after June 21 for brick and stone building; cost \$150,000, 3 stories; R. L. White, Archt.; Ralph H. Cameron, Asso. Archt., 1116 City National Bank Bldg.

Tex., Beaumont—First Presbyterian Church, Fifth Ave. and Mobile St., receiving bids for brick, steel and hollow tile building; 2 stories, cost \$40,000; Livesay & Wiedemann, Archts., 607 San Jacinto Life Bldg.

Tex., Brownsville—Protestant Episcopal Church, Rev. Mr. McIntosh, Rector, plans \$50,000 building; brick, stone and reinforced concrete.

Tex., Celina—Methodist Church, J. Edgar Ousley, Chmn. Bldg. Comm., erect \$30,000, brick, concrete and stone building; 2 stories and basement, 48x84 ft.; S. M. Francis, Contr.

Tex., Houston—Central Baptist Church, Texas Ave. and Dumble St., Rev. W. D. Lyster, Pastor, 4520 Rusk Ave., erect \$125,000 brick and stone building; 4 stories, 80x140 ft., possibly wood floors, concrete foundation, tile roof. Address Owner. See Machinery Wanted.*

Tex., Mexia—Central Presbyterian Church receives bids June 15 at office Paul G. Silber & Co., Archts., 332 Bedell Bldg., San Antonio, or at office Phil Karner, Chmn. Bldg. Comm., for Sunday school; cost \$18,000; brick veneer, reinforced concrete foundation, 3 stories, 50x60 ft., beech floors, built-up roof. Celotex; separate bids for wiring and plumbing; plans from Archts.*

Tex., Olmito—Rev. E. P. Day, Brownsville, interested in Presbyterian Church.

Tex., Orange—Mt. Zion Baptist Church, Colored, erect building; McKissick & McKissick, Archts., Nashville, Tenn.

Tex., San Antonio—Grace Lutheran Church erect \$75,000 building; brick, concrete and cast stone; Ralph H. Cameron, Archt., City National Bank Bldg.

Tex., Wichita Falls—Lutheran Church, Rev. C. M. Beyer, Pastor, 1413 Eleventh St., probably receive bids after June 20 for brick and stone building; cost \$50,000; Voelcker & Dixon, Archts., 4 Kahn Bldg.*

Va., Norfolk—Colley-Knox Memorial Presbyterian Church, Louis Feuerstein, Columbus St., Chmn., Bldg. Comm., soon start work on \$100,000 church and Sunday school, 37th St. and Colonial Ave.; former seat 1000.

W. Va., Beckley—First Baptist Church erect \$100,000 building, Neville St. Address The Pastor.

W. Va., Morgantown—Tree of Life Congregation, Saml. Stein, Chmn. Finance Committee, plans synagogue.

City and County

Fla., Bradenton—City erect municipal auditorium on pier; Spanish type.

Fla., Center Hill—City erect city hall, fire station and jail bldg.; F. T. Uezzell, Archt., Ocala.

Fla., Clearwater—Pinellas County Board of Commrs., K. B. O'Quinn, Clk. of Circuit Court, receives bids June 15 for alterations and additions to courthouse and jail; also receives bids same date for furnishing certain steel doors, window guards, gratings and other misc. steel needed for alterations and addition to jail; plans and specifications from Francis J. Kennard & Son, Archts., Krause Bldg., Tampa.*

Fla., Coral Gables, Miami—M. P. Lehman,

Director of Public Safety, advises fire station, lately reported, is completed.*

Fla., Deland—City Board of Bond Trustees receives bids June 30 for city hall; cost \$60,000, 2 stories, 60x125 ft., wood floors, concrete foundation, Barrett roof; plans seen at office Gouverneur M. Peek, Archt., 215 Conrad Bldg., West New York Ave., or at City Hall.*

Fla., Fort Lauderdale—Broward County Board of Commrs. receives bids July 1 for 5-story courthouse, Second and Cunningham Sts.; cost \$500,000, 90x200 ft.; furnishings, equipment, etc., \$50,000; John M. Peterman, Archt.*

Fla., Miami—City, H. E. Ross, City Clk., selected Hastings Mundy, 218 N. E. 5th st., as architect for bandstand and amphitheater, Bay Shore Park.

Fla., Sarasota—City Council selected Clare Hosmer, First Bank & Trust Bldg., as architect for remodeling old power plant, Lemon and Sixth Sts., for City Hall; plan election on \$300,000 bonds.

Fla., Sebring—City, A. M. Wolfe, Clk., erect building, Circle Drive, for city offices, library and Chamber of Commerce; also erect building, Mango St., for fire, police and light and water dept. offices; brick, details not determined; E. M. Clawson, City Engr., drawing plans.*

Fla., Wewahatchka—Gulf County Board of Commrs. receive bids July 7 for courthouses; cost about \$90,000, fireproof, 2 stories, 40x70 ft., brick, tar and gravel roof, iron work, steam heat; Warren, Knight & Davis, Archts., 1603 Empire Bldg., Birmingham, Ala.; Gen. Chandler C. Yonge, Asso. Archt., 300 American Bank Bldg., Pensacola; following contractors estimating: General work, A. C. Samford, Shepherd Bldg.; Hugger Brothers Construction Co., Shepherd Bldg.; Algernon Blair, 11 S. Lawrence St., all Montgomery; G. H. Stewart, Box 189, Dothan, Ala.; Batson-Cook Co., West Point, Ga.; H. H. Taylor, Blountstown, Fla.; C. A. Fulghum, Thiesen Bldg., Pensacola, Fla.; sub-contracts, Steadman & Hosey, Polson & Atkinson, Sanitary Plumbing Co., all Panama City, Fla.; F. C. Turner & Co., 164 N. Water St., Mobile, Ala.; Michael Supply Co., Talladega, Ala.; Service Co., Inc., 1522 First Ave., Columbus, Ga.; Pauly Jail Building Co., Albany, Ga.; Southern Steel Co., Box 2, Woodlawn Station, Birmingham; Stewart Iron Works Co., Cincinnati, O.*

La., Hahnville—St. Charles Parish Police Jury have plans ready about 2 weeks for bids on altering and erecting 2-story, fireproof, brick addition to courthouse; cost about \$50,000, composition roof, plastered interior, heating, plumbing, electric wiring; Wm. R. Burk, Archt., Balter Bldg., New Orleans.*

Md., Hagerstown—City erect market between Church St. and Corderman's alley. Address The Mayor.

N. C., Asheville—City, John H. Cathey, probably have plans out by June 7 for bids on municipal building; cost \$550,000, pink limestone to second floor, corresponding brick above, bell tower; Douglas Ellington, Archt., Wabash Bldg., Pittsburgh, Pa.*

Okla., McAlester—Pittsburg County, Melrose A. Wilkins, Clk., Board of Commrs., voted \$200,000 courthouse bonds.*

Tenn., Chattanooga—City and Hamilton County vote Aug. 5 on \$250,000 children's hospital bonds. Address City Council or Board of County Commrs.

Tex., Fort Worth—City, Mrs. Chas. Scheuber, Librarian, considers erecting new Carnegie Library building or annex to present structure.

Tex., Fort Worth—Board of Recreation has \$20,000 permit for frame bathhouse at Marine Park.

Tex., Sweetwater—City, Mattie L. Trammell, City Sec., votes June 26 on \$100,000 City Hall bonds.

Va., Norfolk—City repair several fire stations. Address City Manager.

W. Va., Huntington—Harvey C. Taylor, Sheriff of Cabell County, advises county court has no plans, nor have they authorized building of jail; Mr. Taylor is trying to get court to see need of new building for jail and workhouse purpose.*

Dwellings

Ark., Little Rock—W. R. Arnold, 1105 Valmer St., erect \$10,000 stucco residence and garage, 175 Prospect Terrace.

Ark., Pine Bluff—Chas. L. Whyte, 907 W. Sixth St., erect \$12,000 residence, 16th and Pine Sts.; Chas. Quinn, Contr.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Ark., Rogers—L. C. Patterson, Mgr., Farmers Trust Co., erect 5-room bungalow, 8 Fifth St.

Ark., Rogers—J. F. Shofner, Mgr., Press Publishing Co., erect 5-room bungalow, S. Fourth St.

Ark., Siloam Springs—G. W. Jones, F. C. Morehead, Wm. Lewis and Dr. Gullede will erect residences.

Fla., Coral Gables, Miami—Mrs. E. G. Dorn, 284 N. E. 17th St., erect \$100,000 residence, 709-13 N. Greenway Drive; Italian type, stucco, cast stone trim, ornamental iron, 2 baths; 2-story garage with laundry and servants' quarters; Chas. P. Nieder, Archt., Calumet Bldg.

Fla., Hollywood—Atlantic Construction & Finance Corporation of Miami plans number dwellings, Plunkett St.

Fla., Jacksonville—A. T. Nooney, Bisbee Bldg., erect \$10,000 residence, Windsor St. near Knight St.; 2 stories, brick veneer.

Fla., Fort Pierce—Baptist Church has \$11,800 permit for parsonage, Orange Ave. and 11th St.

Fla., Sarasota—J. W. Smith erect 10 dwellings, Osprey St. at 18th St.

Fla., Sarasota—Hare & Clark erect 112 dwellings, East Sarasota; sell for from \$5000 to \$6500 each; 8 units of 14 dwellings each.

Fla., Sarasota—Jas Brooks, 540 E. 138th St., New York, erect 6 dwellings, Crescent Beach, Siesta Bay; total cost \$90,000.

Fla., South Jacksonville, Jacksonville—C. L. Overton and others plan dwellings, vicinity Walnut and Cedar Sts.

Ga., Atlanta—J. S. McCauley, Bona Allen Bldg., erect \$16,000 duplex, 199 St. Charles Ave.; 2 stories, brick veneer.

Ga., Atlanta—A. H. Harper, 110 Springdale Rd., erect 4 frame dwellings, 844-50-54-60 Rawson St.; total cost \$12,000.

Ga., Atlanta—Mrs. Gussie Ivey, 18 Tech Place, erect 2 dwellings, 792-98 Argonne Drive; 1 story, brick veneer; total cost \$11,000.

Ga., Atlanta—F. P. and Geo. J. Morris, 104 N. Pryor St., erect 3 brick veneer dwellings, 1216-28 North Boulevard and 9 Kirkwood Rd.; 1 story; total cost \$22,000.

Ga., Atlanta—Chester Coulter, 24 Clermont Drive, erect \$10,000 residence, 76 Rock Springs Rd.; 2 stories, frame.

Ga., Atlanta—W. M. Walden erect 2 dwellings, 104-08 Alta Ave.; 1 story, brick veneer.

Ky., Louisville—Marvin C. Eblen erect \$10,000 residence, 2225 Valley Vista.

Ky., Louisville—H. M. Dunkin, 339 Kenwood Way, erect 6 dwellings, 4300 block S. 3d St.; cost \$2500 each.

Ky., Louisville—Harrod Co. erect 14 dwellings, 4200 block S. 2d St.; cost \$3000 each.

Ky., Louisville—C. Robt. Peter, Fifth and Liberty Sts., erect 3 dwellings, 1200 Rufer St., and 311-13 McCready Ave.; total cost \$12,000.

La., Monroe—Robt. Layton, Central Bank Bldg., has \$12,165 permit for brick veneer residence, St. John St.

La., New Orleans—W. E. Gund erect 2 duplexes, Carrollton Ave. near Apple St.; composition roof, 2 stories; total cost \$11,000.

La., New Orleans—A. J. Nelson, Archt., 608 Common St., has low bid at \$33,000 from G. E. & E. E. Reimann, Canal-Commercial Bank Bldg., for 2-story stucco and cast stone trim dwelling, 540 Adams Ave.*

La., New Orleans—Armstrong & Koch, Archts., Audubon Bldg., receiving bids for 2-story frame dwelling, Iona St. and Avenue B, Metairie Club Gardens; J. A. Haase, Jr., 910 Union St.; C. N. Bott, Audubon Bldg., and Otis W. Sharp, 144 Carondelet St., estimating.

La., New Orleans—Ed. Markel, 3838 Louisiana Avenue Pkwy., erect \$11,000 raised residence, Pine and Nelson Sts.; tile roof.

La., New Orleans—R. O. Borbusch, Hibernia Bldg., contemplates residence, State St. near Willow St.

La., New Orleans—A. Garrett, 912 Canal-Commercial Bldg., receives sub-bids June 7 for duplex, Elba St.; paving, drains, tile work, oak floors, glazing, composition and cement tile roof, plumbing, plastering, electric work, painting, stucco work metal.

La., New Orleans—W. E. Miller, 1936 Peters Ave., receiving bids for remodeling residence; Theo. L. Perrier, Archt., 310 Carondelet St.

La., New Orleans—T. Semmes Walmsley,

25 Audubon Pl., receiving bids for duplex, Palmer Ave. and La Salle Pl.; Martin Shepard, Archt., 429 Carondelet St.; following contractors estimating: A. C. Babins Sons, Marine Bank Bldg.; J. A. O'Brien, Louisiana Bldg.; J. A. Haase, Jr., 916 Union St.; Morgan G. Trahan, 2727 Leonidas St.; A. Goldbert, 2305 Joseph St.; Gitz & Geier, 7817 Pearl St.*

La., New Orleans—Eureka Homestead Association, 451 Camp St., erect \$14,300 single raised dwelling, Louisiana Ave., near Dorgenois St.; Jones, Roessle & Olschner, Archts., Maison Blanche Bldg.

La., New Orleans—Frank L. Miller, Godchaux Bldg., plans residence, Octavia St.; ready to build in July.

La., New Orleans—W. H. Wohrman alter and erect additions to residence, Kerlerec and Royal Sts.; additional story, slate roof, plumbing, wiring ornamental iron railing; E. M. Reynes, Archt.; about ready for bids.

Md., Baltimore—City Real Estate Co., 11 E. Fayette St., erect 6 frame dwellings, 4800 block Forest Ave.; also 6 in 3800 block Fernhill Ave.; total cost \$24,000; owner builds.

Md., Baltimore—Peter Grogan, Inc., Bidle and Lakewood Ave., erect 12 brick dwellings, N. side Biddle St., east of Luzerne Ave.; 2 stories; total cost about \$43,000.

Md., Baltimore—Geo. L. Schnader, 115 N. Chester St., erect several dwellings, W. side Barclay St., near 25th.

Mo., Clayton, St. Louis—Jos. A. Ewing, 5933 Wells St., erect 3 brick dwellings, Beverly Hills and Natural Bridge Place; 26x36 ft.; total cost \$12,000.

Mo., Clayton, St. Louis—Clara J. Gerling, Kienlen Ave., erect 17 brick dwellings, McKinley subdivision; brick, 24x28 ft.; total cost \$34,000.

Mo., Clayton, St. Louis—Wm. Czajka, Overland, erect 3 cinder block dwellings, Dartsdale; 29x32 ft.; total cost \$10,500.

Mo., Clayton, St. Louis—Louis Hager, Jr., 4540 Lindell Blvd., St. Louis, erect \$12,000 stucco residence; 60x90 ft.

Mo., Joplin—N. A. Keithley erect \$10,000 brick and tile residence, Seventh St. and Harlem Ave.

Mo., Kansas City—Becker Building Co., erect 6 dwellings, 7500 block Harrison St.; total cost \$18,000.

Mo., Kansas City—Crescent Investment Co., erect 3 dwellings, 5500-04 Olive St.; total cost \$10,000.

Mo., Kansas City—A. T. Hammer, 2624 Lawndale Ave., erect 3 dwellings, 2624-28-30 Lawndale Ave.; total cost \$10,000.

Mo., Kansas City—B. F. Hart, 5572 Crestwood Drive, erect 4 dwellings, 1600 block W. 51st St.; total cost \$12,000.

Mo., Kansas City—Edw. T. Hubbell, 5833 McGee St., erect \$20,000 residence, Westover Rd. and Summit Ave.

Mo., Kansas City—H. R. Ostrum, 4101 Forest St., erect 3 dwellings, 4963-67-71 Ward Pkwy.; cost \$8000 each.

Mo., Kansas City—Western Cities Investment Co., 7510 Lathrop Bldg., erect 8 dwellings, 2000 block E. 13th St.; total cost \$24,000.

Mo., Kansas City—J. L. Starks, 1324 E. 30th St., erect \$10,000 residence, 1211 W. 61st St. Terrace.

Mo., Kansas City—Wells Brothers Realty Co., 5416 Dwight Bldg., erect 13 dwellings, 5500 block Olive St.; cost \$3500 each.

N. C., Asheville—Asheville Developers, Inc., A. R. Thomas, Treas., erect number French type dwellings, Fontainebleau on Lake Kenilworth; Louis Charles Darnet, Archt.

N. C., Asheville—C. H. Bartlett, 20 Clayton St., erect \$10,000 residence, St. Dunston's Pkwy.; 8 rooms.

N. C., Asheville—L. W. Hill, 229 Broadway, and E. H. Rudd erect 7-room dwelling, Brucemont Circle; cost about \$10,000.

N. C., Charlotte—Major Stuart W. Cramer, 301 E. Morehead St., erect \$30,000 brick residence, Hermitage Court; 8 rooms.

N. C., Durham—T. T. Frazier, Buchanan Blvd., erect brick veneer residence, Buchanan Rd. and Urban Ave.; cost about \$10,000.

N. C., High Point—Pickett Cotton Mills erect 10 employees' dwellings between Ennis and Southern Sts.; cost \$1150 each.

Okla., Ponca City—Methodist Episcopal Church, care Homer Rapp, erect \$14,000 parsonage; brick and hollow tile, 2 stories, 30x42 ft., oak floors, concrete foundation, shingle roof; G. I. Cannon, Archt.; bids in.

Tenn., Knoxville—F. A. Freels has permit for \$14,000 residence, Melrose Park section; 7 rooms.

Tenn., Knoxville—S. P. Morgan has permit for \$14,000 residence, 1361 Armstrong Ave.; 2 stories, 8 rooms, brick veneer.

Tex., Amarillo—Allen Early erect \$75,000 residence; face brick and natural stone, 2 stories and basement, 54x75 ft., tile roof, vapor heat, Celotex; Wm. C. Townes, Archt., Old Post Office Bldg.

Tex., Eastland—John D. McRea erect \$16,000 residence; native stone, semi-fireproof, 2 stories, 72x60 ft., 8 rooms, 8 fireplaces, servant house; David S. Castle Co., Archt., 701-04 Alexander Bldg., Abilene, drawing plans.

Tex., Fort Worth—R. A. Clopper erect brick veneer residence, 2211 Weatherford St.; cost about \$10,000.

Tex., Fort Worth—John Straighton has permit for \$10,500 brick veneer residence, 2212 Huntington Lane.

Tex., Fort Worth—Trentman Co., Cotton Exchange Bldg., erect 5 dwellings, 5302-06-30 Bonelli, 4705 Washburn and 5221 Fletcher Sts.; cost \$1500 to \$3500 each.

Tex., Houston—C. H. Lawson, 2108 Fletcher St., erect English type brick veneer bungalow, 3006 Wentworth St., Feldman Court.

Tex., Houston—Olson Bros., 1021 W. Gray St., erect 2 brick dwellings, Feldman Court.

Tex., Houston—Lightfoot-Bolton Construction Co., 3103 Main St., erect 4 dwellings; total cost \$35,500.

Tex., Houston—Johnson & Gustavson erect \$10,000 brick veneer duplex and garage, 2241 Truxillo St.; 10 rooms.

Tex., Houston—W. A. Moore, 1719 Houston St., erect \$12,000 brick veneer residence, 1117 Calumet St.; 9 rooms.

Tex., Houston—Leighton Woods erect 2 brick veneer bungalows, Feldman Court.

Tex., Pearsall—Wyllie Wyatt, 1303 Polk St., Wichita Falls, erect number dwellings; cost about \$5000 each.

Tex., San Angelo—J. M. Lea erect \$12,000 residence, Angelo Heights.

Tex., San Antonio—Woodward & Hardie, Seguin St., erect number dwellings, Broadway at Lamont St., Alamo Heights; frame and semi-permanent construction; total cost \$250,000.

Tex., San Antonio—W. J. Tarrence & Co., Gunter Bldg., erect 135 dwellings, Alhambra St. off Fredericksburg Rd.; cost \$4000 to \$7000 each; frame, concrete foundations, hardwood floors, tile baths.

Tex., San Antonio—Alamo Development Co., Travis Bldg., Chas. K. Biggs, Pres., soon start work on 15 dwellings, Garden of Dreams subdivision off Jones Ave.; frame and semi-permanent construction; total cost about \$100,000.

Tex., San Antonio—G. C. Walker, Sr., 330 W. Summit Place, plans \$16,000 residence; brick veneer, 2 stories; Herff & Jones, Archts., San Antonio Loan & Trust Co. Bldg.

Tex., San Antonio—Home Builders Co., erect 10 dwellings, Donaldson Ave.; 6 rooms; total cost \$71,000.

Va., Danville—Randolph Meade, Craghead St., remodel residence, Main St.; cost \$10,000.

Va., Norfolk—Dr. C. C. Smith, Medical Arts Bldg., erect residence, 1219 Princess Anne Rd.

W. Va., Leslie—Nelson Fuel Co. erect 50 miners' houses; 4 rooms; soon let contract.

Government and State

D. C., Washington—Quartermaster's Dept., Brig.-Gen. C. L. McCawley, Quartermaster, receives bids June 10 for labor and material for main buildings and officers' quarters at Marine Barracks, Eighth and Eye Sts. S. E.; blanks and information upon application.

Md., Baltimore—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., receives bids June 14 for extension and remodeling roadways, including incidental changes and repairs at U. S. Marine Hospital; drawings and specifications from Medical Officer in Charge at site, or from office Supervising Archt.

Md., Buena Vista—Maryland National Guard, Milton A. Reckord, Brig.-Gen., Maryland Trust Bldg., Baltimore, erect camp near Buena Vista; \$62,575 available.

Va., Hopewell—John Hanlon and Dr. D. L. Elder have broken ground for building for post office; 1 story.*

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W. Va., Charleston—Capital Building Commission receives bids July 12 at office Howard Gore, Gov., for second unit of State Capitol; cost \$1,400,000, Indiana limestone, 4 stories and full basement, 300x60 ft., 43x73-ft. wing, pent house, fireproof; plans, specifications and blank forms from Cass Gilbert, Archt., 224 Madison St., New York.*

Hospitals, Sanitariums, Etc.

Ark., Hot Springs National Park—Constructing Quartermaster, Army and Navy General Hospital, receives bids June 22 for furnishing and installing mechanical equipment in power plant and laundry buildings and outside steam distribution lines and refrigeration system; information on application.

Fla., Daytona Beach—Board of Commrs. of Halifax Hospital District, F. J. Niver, Chmn., receives bids July 12 for 125-bed hospital; cost \$750,000, fireproof, reinforced concrete frame and slabs, hollow tile walls, stuccoed, gypsum block partitions, 4 stories, 41x270 ft., including 4 wings, concrete footing foundation on rock, tile roof, interior tile, metal doors, steel sash and trim, wire glass, incinerators, electric refrigerators, tile, terrazzo, concrete, hardwood, linoleum, rubber tile and composition floors, mail chutes, dumb waiters, vaults, ventilators, marble, cast stone; Stevens & Lee, Const. Archts., 45 Newberry St., Boston, Mass.; plans and specifications from Chamber of Commerce, Daytona Beach and Jacksonville; Builders Exchange, Atlanta, Ga., and from Wilson, Berryman & Kennedy, Archts., Palmetto Bldg., Columbia, S. C.*

Fla., Miami—Dr. I. W. Ballard, 127 N. E. Fifth St., plans \$400,000 Fair View Hospital; 135x89 ft., 3 stories, fireproof.

La., Baton Rouge—Louisiana State University and Agricultural and Mechanical College, R. L. Himes, Sec. Bldg. Comm., receives bids June 18 for frame hospital; cost \$20,000, 2 stories, 33x137 ft., pine floors, concrete and brick foundation, slate roof, 30 beds; plans and specifications from Wogan & Bernard, Archts., Old Raymond Bldg.*

Miss., Jackson—State Hospital Removal, Improvement and Land Sale Commission, R. L. Brown, Sec., Box 40, selected H. N. Austin, 301 Daniel Bldg., as supervising architect for \$2,500,000 Mississippi State Insane Hospital near Jackson; accommodate 1000 white and 1000 colored, comprising 2 distinct institutions around 1 power house; N. W. Overstreet, Archt., Overstreet Bldg.; Harry C. Muskoff, 864 Newport Ave., St. Louis, Mo.

Mo., Bean Lake, Mail Itan—Mrs. Luly A. Geggin reported erect \$150,000 sanitarium.

Mo., Kansas City—St. Luke's Hospital erect 4-story fireproof addition to nurses' home; 36x80 ft., brick, terra cotta trim, accommodate 56 nurses' ward on first floor; later add 2 floors to present unit; Keene & Simpson, Archts., 1005 Land Bank Bldg.

Mo., St. Louis—St. Louis University School of Medicine, Rev. Chas. H. Cloud, Pres., erect hospital and dispensary and College of Nursing buildings, Grand Blvd. and Turger St.

Tex., Ft. Worth—Sisters of Charity of Incarnate Word erect \$300,000 fireproof hospital; reinforced concrete, brick, stone and terra cotta, 5 stories; Wyatt C. Hedrick, Archt., 1005 First Nat. Bank Bldg.; ready for bids about July 1.

Tex., Seguin—City and Guadalupe County consider remodeling Park Hotel for hospital. Address City Council or Board of County Commrs.

Tex., Tyler—Smith County probably soon vote on \$125,000 hospital bonds. Address County Commrs.

Va., Winchester—Winchester Memorial Hospital, J. E. Harris, Sec., receives bids June 10 for 3-story brick building; 60x180 ft.; Stuart H. Edmonds, Archt.; plans and specifications on file at office of Mr. Harris.*

Hotels and Apartments

Fla., Bithlo—J. Everett Hicks, 30 State St., and S. Wilder, 148 State St., both Boston, Mass., have organized Bithlo Building Corp. to finance construction of \$150,000 hotel on Chaney Highway.

Fla., Fernandina—Governing Board of Fernandina Chamber of Commerce promoting erection of \$500,000 resort hotel.

Fla., Key West—Caribbean Company, Inc., J. B. Taylor, Sec., 221 W. 105th St., New York, would like to hear from parties interested in erection and operation of chain of all-year tropical resorts at Key West and Isle of Pines; have 45,000 acres of land at

S. W. end of The Isle of Pines off Key West, also site in Key West.

Fla., Orlando—Dr. Charles B. McFerrin, 1005 Woodward St., soon have completed plans by W. J. Carpenter, DeLand and Pittsburgh, for \$1,000,000, Spanish type Casa McFerrin Hotel on Lake Formosa.*

Fla., Orlando—R. W. Rogers, Pres. of Beacon Hill Co., heading group of local men, announced plans for \$400,000 apartment-hotel facing Lake Lucerne, at South Main and Lucerne Circle.

Fla., Panama City—J. G. Hosey leased Palma Hotel; plans improvements.

Fla., St. Petersburg—William J. Colby erect \$14,000, 2 story, frame, 12-room apartment house on 12th Ave. South.

Fla., St. Petersburg—Fred L. Smith, E-125 Fifth Ave. North, start work in 30 days on \$300,000 Warm Friend Tavern, bachelor hotel, N. E. cor. First Ave. and Third St.; first 2 stories of terra cotta, upper 3 stories of tile and stucco, 5 stores and lobby on ground floor, about 126 rooms above; Harry F. Cunningham, Archt., 507-10 J. Bruce Smith Bldg.

Ga., Waycross—Lott Investment Co., care D. & O. Lott, has plans in progress by G. Lloyd Preacher & Co., Inc., 1204 Wynne Claughton Bldg., Atlanta, for \$500,000 hotel building, 100 ft. frontage on Elizabeth St. and 100 ft. on Tebeau St.; will be leased to William Foor Hotel Operating Co., Richmond, Va.*

La., New Orleans—Miss Damillia Fassman, 5648 Canal Blvd., receiving bids for construction of four-plex building in Lakeview on Catina and Bragg Sts.; Martin Shepard, Archt., 429 Carondelet St.

La., New Orleans—D. A. Polesky and M. Rosenwich, 413 Baronne St., erect \$13,000, four-plex on Willow St.

Mo., Jefferson City—Central Hotel reported to erect \$225,000, 10-story addition. Address The Proprietor.

Mo., Kansas City—Fisher Building Co. has plans in progress by P. T. Drotts, 300 Reliance Bldg., for 8 story, brick, reinforced concrete, frame, terra cotta trim, 70-room hotel and 35-apartment building, Linwood Blvd. and Tracy Ave.

Mo., St. Louis—William Ralph Bright, of J. H. Bright Contracting & Bldg. Co., 4961 Laclede Blvd., purchased N. W. cor. Kingshighway Blvd. and Kensington Ave.; plans to erect apartment house.

Mo., St. Joseph—Buchanan Realty Co., Dr. Jacob Geiger, Pres., Kirkpatrick Bldg., probably erect \$250,000 apartment house; Archt. not yet selected.

N. C., Alta Pass—Sam T. Reed, 723 E. Main St., Spartanburg, S. C., owner of Alta Pass Inn, recently burned, plans to rebuild; \$100,000.

N. C., Brevard—French Broad Park, Inc., T. J. Salter, Pres., Montgomery, Ala., contemplates 200-room co-operative hotel at top of Mt. Hope, in connection with development. (See Land Development.)

N. C., Charlotte—Blythe & Isenhour, Brevard Court, erect \$40,000, brick veneer, 40-room apartment house in Dartmouth Place.

N. C., Charlotte—Lex Marsh, Jr., 231 S. Tryon St., erect 4-family apartment house at 2106 Park Rd., cost about \$10,000.

N. C., Elizabeth City—E. F. Aydlott, owner of Southern Hotel, reported contemplates erecting \$200,000 to \$300,000 structure on site of present hotel.

N. C., Greensboro—C. S. Watson, 101 W. Market St., have completed plans in about 60 days by Joseph J. Sawyer, 904 Jefferson Bldg., for \$200,000, 100-room, 8-story, reinforced concrete hotel building, N. E. cor. S. Greene and W. Sycamore Sts.; 2 elevators, vapor heat, circulating ice water, 9 store rooms on first floor, and 5 basement shops, brick with stone cornices.*

N. C., Jefferson—J. F. Kuykendall, Ardmore St., Winston-Salem, and Dr. Henry Froehling, 1800 Hanover Ave., Richmond, Va., reported interested in erection of resort hotel at mountain radium spring.

N. C., Oxford—Chamber of Commerce committee raising funds for purchase of site; would like to hear from parties interested in erection of hotel.

Okl., Carnegie—A. H. Mitchell has plans in progress by E. H. Eads, Chickasha, for \$25,000, 2-story, 32x130-ft., fireproof, brick, steel and concrete hotel; composition over concrete roof, concrete floors and foundation; equipment and furnishings cost \$5000. (See Machinery Wanted—Steel Sash and Trim; Wire Glass.)*

Tex., Amarillo—Mrs. B. Fisher, care Palo

Duro Hotel, plans to erect 3-story and basement, 75x150 ft., \$100,000 apartment building, 16th and Jackson Sts.; include 22 garages; private plans.

Tex., Amarillo—John Gilvin has plans in progress by William C. Townes, old post office Bldg., for \$20,000, 2-story, 30x50 ft., brick and tile apartment house.

Tex., Angleton—Mrs. J. W. Bradford, propr. of Angleton Hotel, plans to erect 25-room hotel on Main St.

Tex., Athens—Dean Hotel Co. has plans by L. R. Wright, bids at once, for \$60,000, 3-story and basement, 85x93 ft., L-shaped, 43-room hotel.

Tex., Corpus Christi—J. E. Poulos & Bros., care Mecca Cafe, 118 E. Houston St., San Antonio, has plans in progress by Atlee B. & Robt. M. Ayres, Bedell Bldg., San Antonio, for \$175,000, 4-story, fireproof, 80 to 100 room hotel building.*

Tex., Galveston—Boulevard Hotel Co. incorporated by Joseph St. Mary, 213½ 22nd St., and G. L. Michaels, Galveston, and P. G. Silber, Bedell Bldg., San Antonio, for erection of \$1,500,000, 12-story hotel on the Boulevard, between 26th and 27th Sts.; Paul G. Silber & Co., Archts., Bedell Bldg., San Antonio.

Tex., Houston—Jesse Jones, Goggan Bldg., reported to erect 9-story theater, apartment and store building at Main and McKinney Sts.; 125x150 ft.; theater leased to Marcus Loew, 1540 Broadway, New York.

Tex., Houston—E. C. McQuillian, 4816 Caroline St., purchased property in 4700 block Fannin St.; plans to erect apartment house.

Tex., Mercedes—B. F. Dittmar Co., Russell Bldg., San Antonio, will erect \$24,000, 2-story, 25x120-ft., tile and stucco, 12-apartment building; Newell Waters, Archt., Westlaco.

Tex., Rankin—G. L. Betillyon, care Rankin Hotel, erect \$30,000, 20-room addition; private plans.

Virginia—Allen Williams, Luray, and R. L. Cheatham, Richmond, reported planning to erect \$200,000 hotel on site of Panorama, top of Blue Ridge on Lee Highway.

Va., Winchester—George Loomis, 2812 36th Place N. W., and Dr. W. A. Richeson, Washington, D. C., plans resort development to include hotel.

Miscellaneous

Ark., Hot Springs—Hot Springs Golf & Country Club, Harry A. Jones, Pres., has plans in progress by Mann & Stern, A. O. U. W. Bldg., Little Rock, for \$75,000 to \$100,000 clubhouse.

D. C., Washington—Maryland Lutheran Synod voted \$60,000 for additional building to National Lutheran Home for Aged.

Fla., Orlando—Mayor James L. Giles, Pres. of Day Nursery Assn., announced construction by Kiwanis Club of Orlando of day nursery and children's clinic to cost \$70,000.

La., New Orleans—A. J. Heinemann, Pres. of New Orleans Southern Assn. Club, plans to enlarge grandstand and bleachers of park.

Md., Bethesda—Bethesda Women's Club, Mrs. Fred Emory, Chmn. Building Committee, plans to erect clubhouse and open-air theater.

Md., Pimlico, Baltimore—Maryland Jockey Club, Matthias L. Daiger, Mgr., 3227 Vickers Rd., Baltimore, plans to erect \$500,000 grandstand to seat between 25,000 and 35,000.

Mo., Clayton, St. Louis—Horton Watkins, Clayton and Warson Rds., erect \$35,000, 92x80 ft., frame, stucco, brick addition.

Mo., Kansas City—Athenaeum Clubhouse Co., care Mrs. Harry G. Kyle, 812 W. 35th St., plans to erect 2-story addition to clubhouse, Linwood Blvd. and Campbell St.

N. C., Chimney Rock—Robert R. McGoodwin, 16th and Walnut Sts., Philadelphia, completed plans for dancing pavilion at Lake Lure.

N. C., Greensboro—Joseph P. Guillet, 19 Haywood St., Asheville, and others, have plans in progress by Jones & Trott, Inc., Woodside Bldg., Greenville, S. C., for alterations to building, S. E. cor. N. Elm and Gaston Sts., for cafeteria; 1 story and part basement, 43x140 ft. (See Machinery Wanted—Tile; Plaster Board; Electric Refrigerators; Flooring; Sprinklers; Terra Cotta Trim.)*

N. C., Jackson—High Point Land Co., High Point, will erect clubhouse.

N. C., Shelby—Alfred P. Marshall, sales director of Cleveland Springs estates, announced immediate construction of golf clubhouse.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Tex., Amarillo—John F. Ross has plans in progress by William C. Townes, Old Post-office Bldg., for \$10,000, 2 story, brick, 40x46-ft. day nursery building.

Tex., Brenham—Mrs. W. A. Stuckert promoting erection of building at City Park, for library and club rooms of Brenham Fort-nightly Club.

Tex., Center Point—Encampment of Christian Churches, care Carlton Adams, Pres.; G. S. Cabbell, Sec., 808 Brady Bldg., San Antonio, contemplates erection of 60x90-ft. auditorium, cafeteria to seat 1200, 50 cottages and bath house.

Tex., Denton—Woman's Club has plans in progress by W. G. Clarkson & Co., Fort Worth, for clubhouse in City Park.*

Tex., Donna—Val Verde Country Club, Inc., has plans in progress by S. S. Voigt, Bitting Bldg., Wichita, Kansas, for 3-story, mill construction, Spanish type hotel and country club; composition and tile roof, cement, terrazzo and pine floors, concrete foundation. (See Machinery Wanted—Tile: Steel Sash; Wire Glass; Flooring; Ventilators; Marble; Cast Stone.)*

Tex., Harlingen—Arroyo Country Club plans immediate construction of \$10,000, frame and stucco, 1 story and basement club building; Elwing & Mulhausen, Architects.

Tex., Houston—DePelchin Faith Home, care Mrs. L. E. Cage, plans to erect new building on Brunner St.

Tex., Seguin—Gaudalup County Fair Association has plans in progress by L. Diver, Engr., Calcasieu Bldg., San Antonio, for \$20,000 frame and concrete grandstand; let contract to Hy Weiss for \$8000 floral building.

Tex., Stamford—Stamford Country Club, Inc., open bids within a month for \$14,500, 1-story, brick country club; Voelker & Dixon, Architects, Wichita Falls.*

W. Va., Huntington—Chesapeake & Ohio Employees' Welfare Assn. will erect grandstand at baseball park on Sixth Ave.

Railway Stations, Sheds, Etc.

Fla., Cocoa—Florida East Coast Railway Co., H. N. Rodenbaugh, St. Augustine, will abandon present freight and passenger facilities at Cocoa and Rockledge; plan consolidated station.

Mo., Neosho—St. Louis-San Francisco Rwy. Co., F. G. Jonah, Ch. Engr., St. Louis, reported to start work soon on new depot.

Tex., Brownsville—Gulf Coast Railway, C. S. Kirkpatrick, Ch. Engr., 204 Union Station, Houston, receives bids until June 14 for \$40,000, 1-story, tile, brick, cast stone and reinforced concrete passenger station; Kelwood Co., Architects, Travis Bldg., San Antonio.*

Schools

Ala., University—University of Alabama, George H. Denny, Pres., contemplates erecting athletic stadium.

Ark., Arkadelphia—Board of Trustees of Ouachita College authorized immediate construction of concrete and steel stadium on Williams Field.

D. C., Washington—District Commissioners, Room 509 District Bldg., opened bids for erecting \$1,500,000, 1, 2 and 3 story McKinley Technical High School building, Second and T Sts. N. E.; Parsons & Hyman, Equitable Bldg., low bidders at \$1,970,997; A. L. Harris, Municipal Archt., District Bldg.*

D. C., Washington—Maryland Lutheran Synod will furnish \$100,000 site for proposed women's college, Address Rev. Dr. George M. Diffenderfer, Luther Place Memorial Church.

Fla., Auburndale—Auburndale School District No. 46 has \$25,000 for building purposes. Address A. B. Connor, Sec. Polk County Board of Public Instruction, Bartow.

Fla., DeLand—Volusia County Board of Public Instruction probably let contract next week for \$90,000, 1-story, brick and hollow tile, 200x150-ft. grade school building; concrete and maple floors, concrete foundation; H. M. Griffin, Archt., 512½ Main St., Daytona Beach.*

Fla., DeLand—Stetson University, Dr. Lincoln Hulley, Pres., plans \$35,000 improvements during summer months; include new electric pipe organ to be installed in auditorium, new athletic field, refrigerating system, new boiler for heating system and improvements to buildings.

Fla., Fernandina—City Commission donated site on Center St. to Nassau County Board of Public Instruction for \$75,000 high school building.

Fla., Jacksonville—Jacksonville College, B. J. Albritton, Pres., plans to raise \$50,000 for new dormitory or to apply on erection of administration building.

Fla., Linden—Sumter County Board of Public Instruction, Bushnell, receives bids until June 17 for erection of \$18,000, 1-story, hollow tile, stuccoed school building; wood floors, concrete foundation, built-up roof; George Mackay, Archt., Ocala.

Fla., Miami—School District No. 5 voted bond issues of \$735,000; include erection of building on site of Ponce de Leon High School in Coral Gables; purchase site in Silver Bluff and erect building; purchase site in Coconut Grove. Address Dade County Board of Public Instruction.

Fla., St. Petersburg—Pinellas County Board of Public Instruction, Clearwater, erect 2 wings, providing 8 classrooms to West Central grade school, between 25th and 27th Sts. near Seventh Ave. North; \$42,300, 2 stories, 24x67 ft., hollow tile.

Fla., Winter Haven—Col. C. E. Crossland promoting erection of preparatory school and military academy; E. W. Thompson, West Palm Beach, has offered to donate 80-acre tract.

Ga., Fitzgerald—Board of School Trustees receiving bids for erection of 2 schools and auditorium addition to high school; T. F. Lockwood, Archt., 211-12 Murrah Bldg., Columbus.*

Ga., Jesup—Board of Trustees of Jesup School District, S. E. Cohen, Chmn., receives bids until June 24 for erection of 1-story, brick, 12-classroom and auditorium school building; separate bids for plumbing and heating; plans and specifications may be obtained from Greer & Biggers, Architects, 121 W. Adams St., Jacksonville, Fla.

Ga., Tifton—Board of Education considering erecting basketball court, showers and gymnasium.

Ky., Blackey—Stuart Robinson School, W. L. Cooper, Jr., Supt., contemplates erecting 2-story, 125x60-ft. building. (See Machinery Wanted.)

Ky., Linda—Methodist Episcopal Church, care H. M. Frakes, Pineville, announced plans for 2-story, 60x60-ft., frame mission school; \$8000, equipment and furnishings cost \$4000; stone foundation, composition shingle roof.*

La., Gretna—Jefferson Parish School Board, Vic A. Pitre, Pres., receives bids until July 1 for erection of 4-room addition to present brick school at Gretna, and 4-room addition to frame and stucco school at Harahan; Jones, Roessle & Olschner, Architects, Maison Blanche Bldg., New Orleans.*

La., Harahan—See La., Gretna.

La., Monroe—St. Matthew's Catholic Church has plans under way for 2 story, brick parochial school.

La., New Orleans—St. Catharine of Sienna Catholic Church, Father Leo R. Jarysch, Pastor, receives bids until June 12 for two-story, hollow tile and stucco, 8-classroom school building; Theo. L. Perrier, Archt., 310 Carondelet St.*

Md., Baltimore—Maryland State School for the Deaf, John K. Shaw, Pres., Baltimore, contemplates erecting new building to cost \$70,000; will petition State Legislature.

Md., Salisbury—Board of Education acquired 10-acre tract for High School site.

Miss., Clinton—Mississippi College, J. W. Provine, Pres., plans to erect \$150,000 dormitory.

Miss., Clinton—Mississippi College, Dr. J. W. Provine, Pres., Chmn. Building Committee, has plans in progress by J. M. Spain, Millsaps Bldg., Jackson, for \$150,000, 3-story and basement, reinforced concrete, fireproof, 100-room dormitory; face brick, gypsum tile partitions, wood finish floors, composition roof, stone trim.*

Miss., Natchez—St. Mary's Cathedral congregation, Bishop Gerow, build addition to St. Joseph's School and install heating system; also repair and paint Cathedral School.

Miss., Ocean Springs—School Board receives bids until July 6 for erection of \$77,000, brick and wood, 158x125-ft. school building; built-up roof, wire glass, rolling partitions, cast stone; Wm. T. Nolan, Archt., Canal-Commercial Bldg., New Orleans, La.*

Miss., Starkville—Board of Trustees Starkville Separate School District, J. A. McKee, Chmn., receives bids until June 28 for erection of school building for colored; plans and specifications on file with City Clerk.

Mo., Columbia—Board of Education receives bids until June 22 for erection of Hickman High School and 3 grade school buildings; William B. Ittner, Inc., Architects, Board of Education Bldg., St. Louis, Mo.*

Mo., New Cambria—New Cambria School District voted \$20,000 bonds for new school. Address Board of Trustees.

N. C., Chapel Hill—Durham Stadium Committee, Dr. Foy Robertson, Chmn., Durham, contemplates erection of stadium at University of North Carolina.

N. C., Chimney Rock—Rutherford County Board of Education, Rutherfordton, soon have plans by G. Lloyd Preacher & Co., Inc., 1204 Wynne Claughton Bldg., Atlanta, Ga., for \$42,000 elementary school for Luremont section at Lake Lure.

N. C., Leicester—Buncombe County Board of Education, A. C. Reynolds, Supt., Asheville, receives bids until June 12 for erection of Sandy Mush School, near Leicester; plans and specifications may be obtained from William H. Lord, Archt., 17½ Church St., Asheville.

N. C., Salisbury—Livingston College, Pres. W. J. Trent, plans to raise \$250,000 for equipment and enlargement.

N. C., Wilson—Board of Trustees of Wilson Graded School District, Charles L. Coon, Supt. of Schools, receives bids until June 11 for erection of additions and alterations to Maplewood and Kenan St. schools; Wilson, Berryman & Kennedy, Architects, Palmetto Bldg., Columbia, S. C., and I. O. F. Temple, Raleigh.

N. C., Winston-Salem—Forsyth County Board of Education purchased tract on Woughtown-Clemons Rd. as site for consolidated school for Southfork Township.

N. C., Yadkinville—Yadkin County Board of Education will let contract about June 15 for erection of \$33,000, 1-story, brick and wood, 90x161-ft. school building; concrete and brick foundation, wood floors; Northup & O'Brien, Architects, Starbuck Bldg., Winston-Salem.*

Okla., Waleetka—Town voted \$50,000 bonds for 156x130-ft., 1-story and basement, brick and stone High School building; Joe I. Davis, Archt., First Natl. Bank Bldg., Oklahoma City.*

S. C., Cameron—Board of Education has completed plans by Lafaye & Lafaye, Columbia, for new school building.

S. C., Clemson College—Clemson Alumni Assn., T. B. Young, Florence, Pres., voted to raise \$100,000 for building to house department of physical education.

S. C., Clinton—State Training School has plans by Lafaye & Lafaye, 1224 Sumter St., Columbia, for 1-story, brick dining room and kitchen building.

S. C., Spartanburg—Board of Trustees City Schools, Dr. A. D. Cudd, Chmn., has plans in progress by J. Frank Collins, 160 Alexander Ave., for 8 or 12 room negro school on Cummins St.*

Tenn., Athens—Tennessee Wesleyan College, Dr. Wallace Elden Miller, Dean, planning to build central heating plant and athletic field; also contemplate a library building, enlargement of Bennett Hall and another wing on Petty-Manker Hall.

Tenn., Chattanooga—Fred B. Frazier, Commissioner of Education, has completed plans by C. E. Bearden, James Bldg.; soon call for bids for \$135,000, 3-story, 15-room and auditorium, brick and reinforced concrete East Lake Junior High School building; concrete and hardwood flooring, concrete foundation, equipment and furnishings cost \$10,000.*

Tenn., Chattanooga—Fred B. Frazier, Commissioner of Education, receives bids until June 14 for erection of addition to East Lake grammar school; plans and specifications on file at office Louis H. Ball, Archt., 1031 Volunteer Bldg.*

Tenn., Cleveland—County voted \$50,000 school improvement bonds; C. E. Bearden, Archt., First Natl. Bank Bldg., Chattanooga; Bradley County Board of Education.*

Tenn., Columbia—Maury County Board of Education considering erection of centralized school to serve Isom and Taylorsville.

Tenn., Lewisburg—Marshall County Board of Education, E. F. Liggett, Sec., receives bids until June 15 for erection of high school building; plans and specifications may be obtained from Pugin & Wallace, Architects, 149 Sixth Ave. North, Nashville.

Tenn., Memphis—Board of Education rejected all bids for erection of \$20,000 manual training shop, to Industrial College and High School for negroes.

Tenn., Trenton—Gibson County defeated \$125,000 school bonds. Address County Commissioners.*

Tex., Albany—Albany Independent School District votes June 12 on \$60,000 school bonds. Address Board of Trustees.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Tex., Bledsoe—Bledsoe Common School District recently voted \$60,000 bonds for new school building. Address Board of Trustees.

Tex., Corpus Christi—Board of Education receives bids until June 14 for 2-story, six-room, concrete, brick and cast stone school building; John Marriott, Archt., Frost Bldg., San Antonio.

Tex., Crowell—Board of Education, F. B. Ellis, Sec., selected Voelcker & Dixon, 4 Kahn Bldg., Wichita Falls, prepare plans for brick, stone and concrete High School building; soon vote on \$80,000 bonds.

Tex., Fort Worth—Board of Education, Ed. A. Corbett, 311 W. T. Waggoner Bldg., Chmn. Bldg. Committee, ordered Archts. proceed with plans for \$40,000, brick, stone, reinforced concrete, fireproof, 3-story addition Denver Ave. Ward School; W. G. Clarkson & Co., First Natl. Bank Bldg., Supv. Archts.; J. B. Davis, 1308 Hemphill St., Assoc. Archt.

Tex., Henderson—Henderson School District voted \$25,000 bonds for junior high school building; R. T. Milner, Jr., Supt. of Schools.

Tex., Ibex—Board of Education selected David S. Castle Co., 701-4 Alexander Bldg., Abilene, Archts. for \$35,000, brick and reinforced concrete school building; bonds voted.

Tex., Katy—Board of Education, H. E. Romack, Sec., opens bids June 11 for 2-story, brick and stone, 122x45-ft. addition and remodeling; \$30,000 to \$35,000; equipment and furnishings cost \$5,000; C. H. Leinbach, Archt., 605 Central Bank Bldg., Dallas.*

Tex., Levelland—Levelland Independent School District voted \$60,000 bonds; erect \$30,000 and \$10,000 school buildings; \$20,000 for equipping the 2 buildings and purchase site for contemplated high school. Address Board of Trustees.

Tex., McAllen—School Board, E. M. Card, Pres., call election June 19 on \$325,000 bonds; plans include new high school, junior high, several ward schools and additions to present buildings; Ralph H. Cameron, Archt., City Natl. Bank Bldg., San Antonio.*

Tex., Mt. Pleasant—Mt. Pleasant Independent School District, P. E. Wallace, Supt. City Schools, has plans in progress by Smith & Prager, Paris, for high and negro ward schools; \$55,000 and \$15,000, 2 stories, 54x146 ft., brick, composition or tin roof, concrete foundations, equipment and furnishings cost \$20,000; address proposals to H. Seidenman. (See Machinery Wanted).*

Tex., Nacogdoches—Board of Education, A. A. Nelson, Pres., plans \$60,000 bond election for new auditorium and addition to negro school.

Tex., Rising Star—Board of Education, C. D. Falls, Pres., select Archt. at once for \$20,000, brick and stone school building.

Tex., Tyler—R. B. Still, Will B. Marsh and T. N. Jones on committee for erection of Junior College.

Tex., Texarkana—Texarkana Independent School District voted \$300,000 bonds, \$200,000 to be used for establishment of Junior College and \$100,000 for enlargement of elementary schools; H. H. Stillwell, Supt. of Schools.*

Tex., Wichita Falls—Pleasant Valley School District voted \$10,000 bonds for new school; City Views School District voted \$20,000 for new school. Address Board of Education, care Judge B. D. Sartin.

Va., Hot Springs—Bath County Board of Education, Earl Hoover, Supt. of Schools, Carlover, opens bids June 16 for erection of high school building at Mitchelltown, near Hot Springs; 10 rooms with auditorium; plans and specifications may be obtained from Mr. Hoover or at office School Board in Courthouse, Warm Springs.

Va., New Castle—New Castle District voted \$35,000 bonds for new school building. Address Craig County Board of Education.

Va., Petersburg—Virginia Normal & Industrial Institute has \$170,000 available for erection of 2 new dormitories.

Stores

Ala., Birmingham—General Oil Corp., 3200 Avenue E. and the Davis Co., Contrs., Brown Marx Bldg., soon start work on \$30,000, 2 story commercial building at Fifth Ave. and Ninth St., Smith Park.

Ala., Ensley, Birmingham—Nick and Gus Harduvel, 326 19th St., planning to erect store building, Avenue E and 19th St.

Fla., Bradenton—L. G. Buck purchased lot

at S. W. cor. Fairview and Central Ave.; erect 2-story building with 10 storerooms on first floor, apartments above.

Fla., Hialeah—J. T. Christensen erect \$14,000, 1-story, cement block, stucco store building and filling station, Fifth St. and Seminole Ave.

Fla., Jacksonville—Toney J. Japour erect 1-story brick and stucco store building, Cedar St. and Forest Ave.

Fla., Leesburg—J. G. McCrory Co., 1107 Broadway, New York, purchased property; reported to erect store building.

Fla., Miami—F. Davis and F. Jacobson erect \$17,778 2-story group of stores with 4 apartments above, Flagler Blvd.; Harold D. Stewart, Archt., P. O. Box 128, Coral Gables.

Fla., Orlando—V. B. Newton, representing Bonwit-Teller Co., plans to erect store building, Magnolia Ave. and Amelia St.

Fla., Sarasota—Benjamin Goldberg, Philadelphia, Pa., purchased 40-acre tract in Englewood; contemplates erecting business block.

Fla., St. Petersburg—Baynard Bros., Inc., erect \$10,000, 1-story, cement tile store building, 1801-5 Central Ave.

Fla., St. Petersburg—Beach Drive Holding Co. erect \$60,000 1-story cement tile store building, First Ave. North.

Fla., St. Petersburg—C. C. Beck, 1642 First Ave. S., erect \$10,000 2-story cement block store, S. E. cor. 11th St. and Third Ave.

La., New Orleans—Universal Furniture House, 1208 Decatur St., contemplates erecting store building on St. Claude near St. Roche Ave.

La., Shreveport—Rubenstein Co., owners of Kittrell Building, plans to remodel and enlarge; \$100,000.

Md., Baltimore—Harry W. Schwab, 4110 N. Charles St., plans to erect 2-story, brick store and recreation building, 3313 Greenmount Ave.; \$45,000; Lucius R. White, Jr., Archt., Hearst Tower Bldg.

Miss., Biloxi—Owners of Yerger Building, recently destroyed by fire, will rebuild immediately; Ole E. Thompson has contract for wrecking structural steel and brick walls.

Miss., Brookhaven—A. C. Seavey & Sons plan to erect 2-story, brick, 50x100-ft. building, W. Cherokee St.

Mo., Kansas City—John V. Walker, 3404 S. Benton St., plans business development at 39th and Central Sts.

Mo., Kansas City—C. O. Jones, Contr., 402 Continental Bldg., erect \$30,000 brick structure at 1211 W. 61st St. Ter.

Mo., Kansas City—Mrs. L. Meyer, 2001 E. 29th St., erect \$30,000 brick structure, 3923-5 Main St.

N. C., Charlotte—Troy Peters, Latta Arcade, erect three brick store buildings; one on Statesville Ave., cost \$8500; 315 S. McDowell St., cost \$8000, and another to contain 3 stores at 1005 S. Caldwell St., \$8000.

N. C., Winston-Salem—J. Edward Johnston, Reynolda, plans to erect building at Trade and Fourth Sts.; type not decided.

Tenn., Chattanooga—Sterchi Bros. & Fowler Furniture Co., 703 Broad St., purchased Dalton store building; plans in progress by Charles E. Bearden, First Natl. Bank Bldg., for remodeling.

Tenn., Chattanooga—Plaza Department Store Co., incorporated by T. Walter Fred, J. B. Pound, both Lookout Mountain, and others, with capital stock of \$1,000,000, for erection of \$300,000, 7-story, 142x200-ft. department store on 11th St.

Tenn., Rockwood—B. J. Lamb jewelry store and the Gift Shop, operated by Miss Elizabeth Wilson, have merged and plan extensive improvements.

Tex., Beaumont—W. C. Keith, 546 Keith Bldg., erect \$10,500, brick commercial building, Harrison Ave.

Tex., Beaumont—Piggly Wiggly Stores, care Edward A. Cary, 2236 North St., soon start work on building, Live Oak and Magnolia Sts.

Tex., Brownsville—Chamber of Commerce, care G. G. Richardson, plans construction of \$20,000 Spanish type, brick business building; Wm. D. Van Sicken, Archt.

Tex., Cisco—Frank Foster, Gainesville, representing Kinsey estate, planning to erect building.

Tex., Dallas—E. M. Kahn Estate, 902 Elm St., has permit for general remodeling, at 902 Elm St.; \$40,000.

Tex., Houston—E. L. and F. V. Bender, Bender Hotel, erect \$11,500, 1-story, concrete, hollow tile and brick building, 414 La Branch St.

Tex., San Antonio—Mrs. Jay E. Adams, Sr., 151 E. Gramercy St., opened bids for erection of store building, Main and Locust Sts.; J. E. Dickey, Builders Exchange Bldg., low bidder at \$16,969; A. H. Shafer, 418 N. St. Marys St., plumbing, \$983; Kirkwood & Wharton, 456 Main Ave., wiring, \$391; Adams & Adams, Archts., Builders Exchange Bldg.

Tex., Weslaco—W. F. Anderson of Anderson Hardware Co. soon start work on 1-story brick building.

Theaters

Fla., Orlando—A. C. Marshall, Pres. of Orange Belt Auto Line, 4 W. Central Ave., has plans in progress by Roy A. Benjamin for \$250,000, 3-story theater building at 319-23 N. Orange Ave.; stores on ground floor, front offices on second and third; \$50,000 pipe organ; equipment cost \$25,000; cooling system; seating capacity of 2500.

Ga., Atlanta—G. R. Black, Newman, will erect \$100,000 motion-picture theater on Ponce de Leon Ave. near Boulevard.

Ga., Savannah—Town Theater, care Arthur Gordon, considering erection of new theater.

Mo., Joplin—Freeman Realty Co., P. O. Box 1063, J. W. Freeman, Pres., has plans in progress by Heckenlively & Marks, Landers Bldg., Springfield, for \$100,000 theater, apartment and store building at 20th and Main Sts.*

N. C., Elizabeth City—Building Committee, comprising W. T. Culpepper, Dr. A. L. Pendleton, G. R. Little and others, will open bids June 18 for erection of \$120,000, 110x86-ft. Carolina Theater building in rear of Carolina Bank Building; promoted by Mr. Culpepper; leased to Carolina Theaters, Inc., Asheville; Benton & Benton, Archts., Fidelity Bldg., Wilson.*

Tenn., Chattanooga—American Theater, 247 E. Main St., plans to expend \$25,000 for remodeling and redecorating. Address the Manager.

Tenn., Memphis—J. B. Sturgis, 224 Maplewood St., has permit for \$11,000, brick and concrete theater building, 279-81 N. Main St., for A. J. Suzore, 753 N. Dunlap St.; heat \$2000.

Tex., San Juan—Louis Gerlts, owner Palace Theater, McAllen, plans to erect theater building to cost \$12,000; equipment cost \$6000 to \$8000.

Warehouses

Ark., Little Rock—B. F. Avery & Sons Plow Co., 114 N. Main St., erect \$45,000, 3-story, brick warehouse at 701 E. Markham St.

Fla., Tampa—Ballard & Ballard, Inc., 912 E. Broadway, Louisville, Ky., purchased property in Estuary for warehouse site.

Fla., Tampa—Coates Plumbing Supply Co., 312 Washington St., opens bids June 11 for erection of 5-story, brick and concrete, \$150,000 building, Fifth Ave. and 13th St., provide warehouse, office and display space and filling station; Fred J. James, Archt., Citizens Bank Bldg.

Ga., Thomasville—F. B. Harris Co. plans to enlarge warehouses; \$25,000.

Md., Baltimore—Frey & Son, Inc., 423 W. Pratt St., erect \$30,000, 1-story, brick, 167x154-ft. warehouse, 1201-13 S. Hanover St.

Mo., Kansas City—United States Register Co., 330 W. Fifth St., erect \$55,000 warehouse and office building, N. E. cor. Fifth St. and Broadway.

N. C., Spindale—Farmers Federation, Inc., G. K. McClure, Jr., Pres., Roberts St., Asheville, opens bids June 10 for erection of 2-story, 50x100-ft., mill construction warehouse. Address proposals to B. A. Buff, Rutherfordton; L. Waring Wilson, Archt., Vanderbilt Rd. 8., Asheville.*

N. C., Winston-Salem—Fletcher Brothers Co., 1223 N. Liberty St., has plans in progress by Tilton & Crews, Robert E. Lee Hotel Bldg., for 3-story, brick, steel and concrete, 60x160-ft. wholesale building on S. Liberty St.

Tex., Waco—R. T. Dennis & Co., 426-8 Austin Ave., recently reported to erect warehouse at Jackson and Sixth Sts., advise: "Have decided not to build."*

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

BUILDING CONTRACTS AWARDED

Association and Fraternal

Tex., Mercedes—Benevolent Protective Order of Elks let contract at \$41,389 to H. J. Hansen & Son, Brownsville, for hollow tile and stucco clubhouse; 2 stories, basement and roof garden, 50x90 ft.; furnishings, equipment, etc., \$10,000; Stebbins & Waters, Archts., Weslaco.*

Bank and Office

Ala., Birmingham—General Oil Co., 3200 Ave. E, erect \$40,000 office building and service station, Graymont Ave. and Fifth St., Smith Park; Brooke & Burnham, Archts., Davis Co., Contr.

Fla., Coral Gables, Miami—Philip S. Deane Co., Ponce de Leon Blvd., has electric work contract for \$20,000 addition to Bank of Coral Gables; roofing, Robbins Roofing Co., 118 N. E. 14th St.; tile, East Coast Tile Co., Metropolitan Bldg.; ornamental iron work, Martin Steel Works, Coconut Grove, Miami; Phineas E. Paist, Archt., Coral Way; Coral Gables Construction Co., Contr., Ponce de Leon Blvd.*

Fla., Jacksonville—Dr. J. D. Love and Dr. R. H. McGinnis, both 501 Laura St., erect \$28,000 office and residence, Oak and Goodwin Sts.; 2 stories, tile and stucco; C. J. Davis, Jr., Contr.

La., Algiers, New Orleans—Algiers Trust & Savings Bank let contract at \$30,534 to Henry Himmelreich, 330 Seguin St., for pressed brick and cast stone building, Verrett and Eliza Sts.; 1 story, 40x60 ft., composition roof; Favrot & Livaudais, Ltd., Archts., Hibernia Bldg.; soon call for bids on vault, vault doors and fixtures.*

La., New Orleans—American Heating & Plumbing Co., 829 Baronne St., has heating and plumbing contract at \$17,800 for remodeling 6 upper floors of 7-story building for Interstate Electric Co.; elevator, Otis Elevator Co., 852 Carondelet St.; sprinkler system, Automatic Sprinkler Corporation of America, Whitney Bldg.; electric work, Douglas Electric Construction Co., 509 Chartres St.; millwork, Wm. Geary & Son, 2126 Callopie St.; Sam Stone, Jr. & Co., Archts., 714 Union St.; E. W. Ulrich Glass Co., Contr., 808 Baronne St.*

La., New Orleans—Electric Service Co., 816 Howard Ave., has electric work contract for Baronne & Howard Realty Co.'s 5-story office bldg.; face brick, Acme Brick Co., Whitney Bldg.; marble and granite, Southern Builders Material Co., Inc., Maison Blanche Bldg.; plumbing, Korn Bros., 919 Valence St.; cast stone, Bowers Stone Manufacturing Co., 645 S. Murat St.; common brick and tile, Standard Brick & Clay Products Co., 1414 Julia St.; W. E. Spink, Archt., Canal-Commercial Bldg.; W. Horace Williams Co., Inc., 816 Howard Ave.*

Md., Baltimore—Civic Center Realty Co., 402 St. Paul St., let contract to Wells Construction Co., New York (Cogswell-Koether Co., 406 Park Ave., Baltimore, local representative), for \$1,700,000 building, Lexington and Calvert Sts., American Gothic type, struc. steel and reinforced concrete, limestone, stucco, brick and terra cotta, 72x100 ft., concrete floors, concrete piles and foundation, inlaid slate roof, hollow and interior tile, metal doors, steel sash and trim, wire glass, tile, terrazzo, rubber tile, composition and concrete floors, mail chutes, vaults, ventilators, marble, cast stone, limestone, terra cotta trim; Lucius R. White, Jr., Hearst Tower Bldg.; Henry Adams, Constr. Mech. Engr., Calvert Bldg.; Van R. P. Saxe, Struct. Engr., Knickerbocker Bldg.*

N. C., Wilson—First National Bank, John F. Burton, Pres., let contract for \$600,000 bank and office building to John T. Wilson Co., Mutual Bldg., Richmond, Va.; 8 stories.*

Okla., Oklahoma City—J. W. Mann, Cotton Exchange Bldg., erect 19-story fireproof Petroleum Bldg.; cost about \$1,000,000, 140x50 ft., struc. steel, concrete, brick, stone and terra cotta; reinforced concrete floors, 2 lower stories faced with polished granite, soundproof walls and ceilings; 3 elevators; Layton, Hicks & Forsyth, Archts., Braniff Bldg.; owner builds.*

Okla., Oklahoma City—J. W. Mann, Cotton Exchange Bldg., plans 2 additional stories to 8-story Cotton Exchange Bldg.; owner builds.

S. C., Columbia—Cashion-Green Electric Co., 1231 Taylor St., has contract to install wiring for 36 self-regulating clocks in \$750,000 State Office Bldg.

S. C., Greer—American Securities Co., R.

A. Dobson, Pres., erecting \$200,000 building, Main St.

S. C., Spartanburg—First National Bank, A. M. Chreitzberg, Pres., will remodel building; T. W. Hughston, Contr.; fixtures, H. M. Wade Manufacturing Co., S. Graham St., Charlotte, N. C.

Tenn., Chattanooga—Chattanooga Savings Bank & Trust Co. let excavation and foundation contract for \$1,000,000 bank and office building, Eighth and Broad Sts., to Mark K. Wilson Co., Tenn. Elec. Power Bldg.; cost about \$75,000; structure 10 stories and mezzanine, 200x60 ft., marble and bronze banking quarters finish, walnut office finish, maple and marble floors, terra cotta; R. H. Hunt Co., Archt., James Bldg.*

Tenn., Memphis—Chas. Wener Co. has contract for improvements to Columbian Tower Bldg., 56 N. Main St.

Tex., Amarillo—Mrs. M. D. Oliver-Eagle let contract at \$453,500 to Hughes-O'Rourke Construction Co., 1913½ Live Oak St., Dallas, for office and store building, Sixth and Polk Sts.; reinforced concrete, brick and stone, 10 stories, 90x140 ft., slab and built-up roof; excavation finished; Wyatt C. Hedrick, Archt., First Nat. Bank Bldg., Fort Worth; heating and plumbing, Young & Pratt, Lubbock; electric work, Wright Bros., 405 Main St., San Antonio; elevators, Otis Elevator Co.; stone, Bedford-Carriage Stone Co., Houston; metal doors, windows and sheet metal, Gilbert Manufacturing Co., 1207½ Main St.; glass and glazing, Pittsburgh Plate Glass Co., Santa Fe Bldg.; misc. and ornamental iron, Southern Ornamental Iron Works, 2425 S. Harwood St.; struc. steel, Mosher Steel & Machinery Co., 900 S. Austin St.; millwork, Buell Lumber & Manufacturing Co., 731 N. Hawkins St., all Dallas.*

Tex., Fort Worth—Fort Worth Properties Corp., Jesse H. Jones, Pres., Goggan Bldg., Houston (Geo. Vickers, Forth Worth, representing Mr. Jones), erect 18-story and basement Medical Arts Bldg. instead of \$2,000,000 16-story and basement structure lately noted; fireproof, brick, stone and reinforced concrete, 108x209 ft.; Sanguinet, Staats & Hedrick (Wyatt C. Hedrick, successor), Archts., First Nat. Bank Bldg.; P. O. B. Montgomery, Contr., 808½ Commerce St., Dallas.*

Tex., Galveston—Galveston Electric Co., Raymond G. Carroll, Mgr., 21st and Ave. I, let contract at \$76,659, to M. C. Bowden for reinforced concrete gen. office and sales dept. building; electric work, Max Levy Electric Co., 2209 C St.; 3 stories, 51x78 ft., cement, tile, terrazzo and linoleum floors, concrete foundation, tar and gravel roof; R. R. Rapp, Archt., 417 Guaranty Bldg.; Robt. J. Cummins, Engr., Bankers Mortgage Bldg., Houston.*

Tex., Greenville—Mosler Safe Co., Santa Fe Bldg., Dallas, has contract for 2 vaults for 8-story Greenville National Bank Bldg.; brick to Butler Bros.; Lindsay & Kilmer, Greenville, and Lang & Wichell, American Exchange Bank Bldg., Dallas, Asso. Archts.; Christy-Dolph Construction Co., Contr., Central Bank Bldg., Dallas.*

Tex., Houston—Straus-Bodenheimer Saddle Co., 414-16 Louisiana St., has electric fan contract for \$3,000,000 Niels Esperson Bldg.; John Ebersson, Archt., 212 E. Superior St., Chicago, Ill.; Harry E. Weaver, Resident Archt.; A. A. James, Resident Engr.; American Construction Co., Contr., Gulf Bldg.*

Tex., Mineola—Mineola State Bank, H. W. Meredith, Cashr., let contract at \$26,449 to Lee R. Doughty, 320 E. Ninth St., for bank and store building; brick and tile, 1 story, 50x90 ft.; Lang & Witchell, Archts., American Exchange Bank Bldg., both Dallas.*

Tex., Woodson—First National Bank erect 1-story brick and stone building; Voelcker & Dixon, Archt., 4 Kahn Bldg., Wichita Falls; T. C. Bridges, Breckenridge, gen. contract at about \$12,000.

Churches

Ala., Gadsden—East Gadsden Baptist Church let contract on percentage basis to N. O. Patterson, P. O. Box 328, for \$20,000 unit of new building; concrete, cut stone, brick and steel, 3 stories, 40.2x87 ft., concrete and pine floors, concrete foundation, asbestos roof; plans by Contr. See Machinery Wanted.*

Fla., Orlando—Ohev Sholem Congregation erecting \$24,000 synagogue, Church St. and Eola Drive; hollow tile, 1 story, hardwood floors; furnishings, equipment, etc., \$6000; Geo. Edw. Krug, Archt., 30 E. Church St.;

Geo. Miller, Engr.; C. C. Construction Co., Contr. See Machinery Wanted.*

Fla., Orlando—Church of Christ, Scientist, A. L. York, First Reader, started work on \$120,000 building, N. Rosalind St. and Summerlin Place; Gothic type; Geo. Dunham, Archt.; Allardice & Allardice, Contrs., 246 S. Orange Ave.

Fla., Tampa—St. John's P. E. Church let contract to Peerless Building Co., Krause Bldg., for \$100,000 building; Francis J. Kennard & Son, Krause Bldg., Tampa, and R. Kennon Perry, Wynne-Cloughton Bldg., Atlanta, Ga., Asso. Archts.*

Ky., Nicholasville—Christian Church let contract for \$45,000 building, W. Maple St., to Simpson-Willis Lumber Co., Main St.; brick, 1 story, balcony and basement, 62x96 ft., edge grain B. & B. pine floors, native stone foundation, slate roof; Churchill & Gillig, Archts., Fayette Nat. Bank Bldg., Lexington; brick work, Geo. J. Determan, Paris; steel work, Geo. L. Mesker & Co., Evansville, Ind.; heating, electric work and plumbing not let.*

La., Lake Charles—Good Shepherd P. E. Church, Rev. E. H. Bullock, Rector, let contract for \$15,000 parish house; brick and stone; R. S. McCook, Archt., Frank Bldg.*

Md., Westport, Baltimore—Swindell Memorial M. E. Church, Rev. L. H. Baughman, Pastor, 310 Tacoma St., excavating for \$13,000 church and Sunday school; frame and stucco, 2 stories, 40x60 ft. and 25x60 ft., concrete foundation; G. W. Anderson, Archt.-Engr.-Contr., 123 N. Fulton Ave., Baltimore. See Machinery Wanted.*

Mo., St. Louis—Fourth Christian Church, 3625 Carter St., erect \$25,000 brick building, 3625 Carter St.; 1 and 2 stories, 78x125 ft., composition roof, hot air heat; L. J. Graham, Archt., 4885 Natural Bridge St.; Lotz Construction Co., Contr., 406 Dolph Bldg.

Okla., Bartlesville—First Baptist Church, W. H. Gill, Chmn., Bldg. Comm., erecting \$70,000 building; brick, concrete and stone, 4 stories, 64x90 ft., wood floors, asbestos shingle and built-up roof; furnishings, equipment, etc., \$20,000; plans by W. J. H. Wallace, care Architectural Board, Southern Baptist Convention, Nashville, Tenn.; E. D. Russell, Engr.-Supt., 319 Creek St. See Machinery Wanted.*

S. C., Aiken—Hofers Electric Co. has electric work contract for \$30,000 St. Thaddeus P. E. Church; Simon & Lapham, Archts., 42 Broad St., Charleston; Anderson-Stiefel Construction Co., Contr.*

Tex., Ballinger—First Methodist Church let contract for \$11,000 Sunday school to C. D. Mills & Son, Houston; contract for main auditorium later; total cost \$40,000; David S. Castle Co., Archt., 701-04 Alexander Bldg., Abilene.*

Tex., Corpus Christi—South Bluff Methodist Church, J. E. Riddle, Chmn., Bldg. Comm., let contract at about \$40,000 to J. H. Birmingham for main auditorium and Sunday school; brick, concrete and hollow tile, 1 story, basement and balcony and 2 stories and basement; Morris & Noonan, Archts., Builders Exchange Bldg., San Antonio.*

Tex., Dalhart—Baptist Church let labor contract to D. P. Patterson to complete building; material by owner.*

Tex., Dallas—Junius Heights Congregational Church, Rev. J. Lloyd Smith, Pastor, let contract to Ray M. Lee, 4119 Brown St., for \$30,000 building, Reiger Ave. and Augusta St.; C. D. Hill & Co., Archts., Central Bank Bldg.*

Tex., Harrisburg—Milby Memorial Methodist Church let contract for \$40,000 building to C. W. Ennis; red brick and hollow tile, stone trim, basement, 3 stories, 58x92 ft., pine floors, concrete foundation, Barrett roof; auditorium seat 800, 22 class rooms seating 700 to 800; C. N. Nelson, Archt., 1017½ Eagle St., both Houston.*

Tex., Llano—Luite Watkins Memorial Methodist Church, Geo. M. Watkins, Chmn., Bldg. Comm., let contract at \$30,200 to J. R. Blackmore, 205 E. Live Oak St., for church and Sunday school; brick, stone and reinforced concrete, 1 story, 28x56 ft. and 2 stories, 31x58 ft.; Roy L. Thomas, Archt., Littlefield Bldg., both Austin.

Va., Charendon—Protestant Episcopal Church, Admiral P. M. Rixey, member, Bldg. Comm., erect \$50,000 building; W. H. Fleming, Archt.; J. W. Kilgore, Contr.

City and County

Fla., Hialeah—City of Miami, Paul B. Wilcox, Asst. City Mgr., let contract for \$50,000 clubhouse on municipal golf grounds to Dusenberry & Clifford; 1 story, concrete; Martin L. Hampton Associates, Archts., Royal Palm Casino, Miami.*

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Fla., Wauchula—H. R. Eaton, Haines City, has electric work contract for \$200,000 Hardee County courthouse; plumbing, Van Buren Plumbing Co., Bartow; millwork, Avon Park Sash & Door Co., Avon Park; structure concrete frame, metal lumber, brick walls, PyroBar tile partitions, composition and concrete floors, built-up roof, 2 stories and basement; H. G. Little, Archt.; Robertson Construction Co., Contr., Bartow. See Machinery Wanted.*

S. C., Chester—Chester County Board of Commrs. let contract at \$13,086 to C. W. Huggins for building at county home; heating and plumbing, Chester Plumbing & Heating Co., \$3197.*

Dwellings

Ark., Fayetteville—Earl V. Bird erect \$10,000 residence, Mt. Nord; concrete, stone and stucco, 2 stories and basement, 41x38 ft., oak and tile or magestone floors, asphalt shingle roof; plans and construction by owner. See Machinery Wanted.*

Fla., Bartow—Dan F. Wear erect three \$6000 dwellings, Davis Ave.; also erect \$8000 frame stucco dwelling; J. M. Speice, Contr.

Fla., Dunedin—Theo. H. Skinner, 103 Park Ave., New York and Boston, Mass., started work on residence, Bay Shore Blvd. and Pasadena Drive, Dunedin Isles.

Fla., Jacksonville—W. R. McGehee, 7112 Myra St., erect \$13,000 residence, Challen St. near Oak St.; 2 stories, brick veneer; O. M. Senyard, Contr.

Fla., Jacksonville—A. A. Rothschild 1655 Post St., erect \$10,000 residence, Avondale St. near Knight St.; J. Fuhrer, Contr.

Fla., Miami—Theo. Hirsch, 1925 S. W. 9th St., erect \$14,000 residence, 2137 S. W. 14th St.; Chas. Grimm, Contr., 142 N. W. Tenth Ave.

Fla., Palm Beach—E. Clarence Jones, 505 Fifth Ave., New York, started work on \$175,000 residence, Clarendon Rd.

Fla., Palm Beach—Cooper C. Lightbown started work on \$200,000 Biddle residence, S. Ocean Blvd. near Barton Ave.

Fla., Palm Beach—Anthony J. Drexel Biddle 50 Broad St., New York, started work on \$200,000 residence, Ocean Blvd. near Barton Ave.; Cooper J. Lightbown, Contr.

Fla., Palm Beach—Elsie E. Meade, New York, started work on residence, Singer Place.

Fla., Sarasota—John Ringling Estates, 314 Main St., erect \$15,000 stucco dwelling, Washington Drive, St. Armand's Key; Dwight James Baum, Archt., Riverdale-on-Hudson, New York, and Sarasota; Burns Construction Co., Contr.

Fla., St. Augustine—Dr. J. J. Spencer, Coquina Ave., starting work on \$10,000 residence, Davis Shores; hollow tile and wood, 1 story, 38x42 ft., wood floors, cement foundation, tile roof; Carlos B. Schoeppl, Archt., 252 St. George St.; Fred F. LaRoche & Co., 120 Bay St.*

Fla., St. Augustine—T. M. Palmer, 319 W. Forsyth St., erecting \$24,000 brick veneer and stucco residence, 2½ stories, 50x99 ft., oak and tile floors, concrete foundation, slate roof; C. B. Schoeppl, Archt., 252 St. George St.; Henry Taylor & Son, Inc., Contrs., 903 Lackawanna St., Jacksonville; plastering and stucco, H. J. Barnwell; tile work, Duval Marble & Tile Co.; roofing and metal, Chas. Stephens.*

Ga., Atlanta—Frank E. Smith started work on several dwellings, Avondale Estates.

Ga., Atlanta—Wagar & Co., Inc., Wynne-Cloughton Bldg., started work on \$16,000 English type dwelling, Avondale Estates; 10 rooms.

Ky., Lexington—John F. Money erect \$10,000 residence, Stone Ave.; 6 rooms brick; Combs Lumber Co., Contr., 439 E. Main St.

La., Lake Charles—Good Shepherd P. E. Church, Rev. E. H. Bullock, Rector, let contract at \$13,900 to Knapp & East, Kaufman Bldg., for parish house; brick and stone, 42x68 ft.; R. S. McCook, Archt., Frank Bldg.*

La., New Orleans—Aene Homestead Assn., 802 Poydras St., erect 2 frame duplexes, Louisiana Avenue Pkwy. and Toledano St.; total cost \$21,000; Walter E. Douglas, Contr.

La., New Orleans—Aetna Homestead Assn., 310 Carondelet St., erect \$10,200 duplex, Marengo and Saratoga Sts.; Kenneth J. Colomb, Contr., 7043 Magazine St.; also 2 double cottages, Broadway and Gen. Hood St.; total cost \$10,000; Albert B. Orduna, Contr., 2487 St. James St.

La., New Orleans—Remy J. Jenness and Security Building & Loan Assn., Maison Blanche Bldg., erect \$10,300 single cottage,

Pine St. and Broadway; Edwin L. Markel, Contr., 3838 Louisiana Pkwy.

La., New Orleans—Clinton Davis, 33 Neron Place, erect \$15,000 single raised dwelling, Claiborne Ave. near Joliet St.; composition roof; H. F. Hinrichs, Contr., Q. & C. Bldg.

La., New Orleans—Mrs. Louis Maier erect \$10,000 duplex, Dumaine St. near Wilson Drive; 2 stories, composition roof; John A. O'Brien, Contr., Louisiana Bldg.

La., New Orleans—Randolph Duelfer, 908 N. Claiborne St., erect \$10,000 raised residence, Delgado St. near Dumaine St.; tile roof; A. L. Smith, Contr., 228 S. Hennessey St.

La., New Orleans—Mrs. J. F. Grenner erect \$10,000 raised residence, Willow St. near Napoleon Ave.; tile roof; A. L. Smith, Contr., 228 S. Hennessey St.

La., New Orleans—Mrs. P. J. Picone, 1307 S. Liberty St., plans residence, Robert St.; build by sub-contracts; work to start in about 2 months.

La., New Orleans—Union Homestead Assn., 351 Carondelet St., erect \$10,750 single cottage, Colliseum and Seventh Sts.; Edwin L. Markel, Contr., 3838 Louisiana Ave. Parkway.

La., Shreveport—Lella and Eula Booth erect \$10,000 duplex, 717-19 Wichita St.; 2 stories, 10 rooms, brick veneer; S. N. Young, Contr., 332 Herndon St.

La., New Orleans—Jackson Homestead Assn., 722 Common St., erect bungalow, Pine and Nelson Sts.; Ed. L. Markel, Contr., 3838 Louisiana Avenue Pkwy.

La., New Orleans—Louis L. Marer, 857 Roosevelt Place, erect duplex, Dumaine and City Park Court; John A. O'Brien, Contr., Louisiana Bldg.

Md., Baltimore—Cityco Realty Co. erect 10 brick dwellings N. E. cor. McCabe and Ivanhoe Aves.; 2 stories, slag roofs, steam heat; total cost \$25,000; F. E. Beall, Archt., 306 St. Paul St.; owner builds.

Md., Baltimore—G. M. Gehlert erect 4 brick dwellings, 3637-43 Morley st.; 2 stories, 14x46 ft., steam heat; total cost \$15,000; J. B. Spittel, Archt.; R. L. Rupp, Contr.

Md., Baltimore—Emerson & Whitelock erect \$10,000 brick dwelling, Tunbridge Rd. and Tilbury Way; 2½ stories, 38x26 ft., slate roof, hot water heat; J. H. Steinacker, Archt.; J. O. German, Contr., 5614 Pratt St.

Md., Baltimore—Younger & Riddle, 4417 Merivett Ave., erect 2 frame dwellings, S. W. cor. Ethland and Clarendon Aves.; 2 stories, 25x32 ft., slate roof, steam heat; total cost \$12,000; plans and construction by owner.

Md., Baltimore—Edw. J. Donohue erect 2 frame dwellings, Fleetwood Ave. W. of Harford Rd.; 2 stories, 13x38 ft., asbestos roofs, furnace heat; total cost about \$10,000; F. E. Beall, Archt., 306 St. Paul St.; owner builds.

Md., Baltimore—John J. Dubbelde, Gwynns Falls Pkwy. and Rosedale Ave., erect 33 brick dwellings, 3000 and 3100 blocks Gwynns Falls Pkwy.; 2 stories; total cost \$150,000; owner builds.

Md., Baltimore—J. Irving Bealmear, Fidelity Bldg., erect 14 brick dwellings, 4000-26 Clifton Ave.; 2 stories, 20x30 ft., slag roofs; total cost \$30,000; Geo. Wessel, Archt., 601 W. 40th St.; owner builds.*

Md., Bethesda—Morse-Goodnow Co., Vermont Bldg., Washington, D. C., erect 14 dwellings; cost \$10,000 each, frame, stucco and brick, 2 stories, about 24x30 ft., oak floors, poured concrete foundation, various roofing work started.

Md., Baltimore—Sidney T. Dyer, Garrett Ave., erect 25 brick dwellings, 2400-48 Garrett St.; 17x33 ft. and 18x19 ft., slate roofs, steam heat; total cost \$87,500; J. R. Forsythe, Archt.; Atlas Construction Co., Contr., both 16 E. Lexington St.

Md., Baltimore—Westphal & Schoenhals, Munsey Bldg., erect 15 brick dwellings, W. side Spence St. N. of Washington Blvd.; 2 stories, 15x45 ft., slag roofs, hot-water heat; total cost \$30,000; Jos. F. Hirt, Archt., 829 N. Luzerne Ave.; owner builds.*

Md., Baltimore—G. H. Poe, Md. Life Ins. Bldg., erect \$18,000 frame residence, Warren Rd., near Overhill Rd.; 2½ stories, 57x41 ft., slate roof, hot water heat; Mottu & White, Archts., 527 N. Charles St.; Willard E. Ham Co., Inc., Contr.

Md., Baltimore—Home Builders Organization, Inc., erect 28 frame dwellings, S. E. cor. Sipple and Green Hill Aves.; 2 stories, 16x24 ft., shingle roofs, furnace heat; total cost \$56,000; Henry Schad, Archt.-Contr.*

Md., Baltimore—Jacob Peters erect 4 brick dwellings, N. side Webster St. near Falls

Rd.; 2 stories, 16x31 ft. and 15x44 ft., slag roofs, steam heat; total cost \$10,000; H. R. Mason, Archt., 8 E. Lexington St.; owner builds.

Mo., Springfield—Dr. S. F. Freeman, 200 E. Commercial St., let contract at \$12,000 to O. L. Allen, 860 W. Webster St., for brick residence, Division and Jefferson Sts.

Mo., St. Louis—B. J. Fendler, 5403 Grace St., erect 6 frame dwellings, 5023-27-29-33-35-39 Leona St.; 1 story, 24x32 ft., slate shingle roofs, furnace heat; total cost \$12,000; plans and constr. by owner.

Mo., St. Louis—G. Higginson, 721 Chestnut St., erect 6 frame dwellings, 7021-23-27-31-39-43-45-49-55 Plateau St.; 1 story, 24x34 ft., composition roofs, furnace heat; total cost \$18,000; H. Hoskins, Archt.-Contr., 721 Chestnut St.

Mo., St. Louis—Opportunity Realty Co., Tenth and Chestnut Sts., erect 3 brick dwellings, 4832-35-40 Gardenville; 1 story, 28x37 ft., asphalt shingle roofs, hot-air heat; total cost about \$10,000; Chippewa Investment & Construction Co., Archt.-Contr., 2908 Virginia St.

Mo., St. Louis—R. J. Noonan, 5733 Kingshighway N. W., erect 4 brick buildings, 1121-27 Veronica St.; 1 story, 25x40 ft., Certain-tyed shingle roof, warm air heat; total cost \$14,000; G. Becker, Archt., Ferguson, Mo.; W. B. Sommers, Contr., 5733 Kingshighway N. W.

Mo., St. Louis—A. Wenzlick, 1010 Chestnut St., erect 4 dwellings, 5447-51-53-57 Odell St.; 1 story, 36x25 ft., composition roofs, hot air heat; total cost \$16,000; M. H. Fink, Archt., 4219 Margaretta St.; C. A. Maple, Contr., 3411 Lucas St.

Mo., St. Louis—C. B. Butcher, 5931 Lotus St., erect 2 brick dwellings, 6051-55 W. Cabanne Place; 2 stories, 29x32 ft., slate shingle roofs, hot water heat; total cost \$14,000; V. G. Mueller, Archt., 7340 LaVeta St.; owner builds.

Mo., St. Louis—Dr. C. B. Grosby, Louderman Bldg., erect \$20,000 brick residence, 5625 Lindell Blvd.; 2 stories, 47x32 ft., tile roof, hot water heat; W. J. D. Paulus, Archt., 4729 Northland St.; H. J. Archer, Contr., 2635 January St.

Mo., St. Louis—C. E. Klemp erect 4 brick dwellings, 6729-31-35-38 Bradley St.; 1 story, 24x34 ft., slate shingle roofs; total cost \$14,000; G. C. Karr, Archt.-Contr., both 214 Calumet Bldg.

Mo., St. Louis—J. Hagedorn, 4981 Wren St., erect 2 dwellings, 4972-76 Wren St.; brick, 1 story, 26x50 ft. rubberoid shingle roofs, dry heat; total cost \$10,000; C. L. Meelert, Archt., 207 Wainwright Bldg.; owner builds.

Mo., St. Louis—H. Koberman, 4642 Gravois St., erect 10 frame dwellings, 4662-66-68-70-74 Tesson and 4664-6870-74-78 Allemania St.; 1 story, 24x26 ft., composition roofs, furnace heat; total cost \$20,000; plans and construction by owner.

Mo., University City, St. Louis—A. F. Dexheimer, 4911 Maffitt Place, erect \$20,000 residence, 7260 Creveling Drive; 2½ stories, 51.5x48 ft., slate roof, hot water heat; Nolte & Naumann, Archts., Fullerton Bldg.; Geo. F. Bergfeld Co., Contr., 610 Chestnut St.

Mo., University City, St. Louis—Dr. H. Robert E. Muench, Humboldt Bldg., erect \$10,000 brick residence, 7015 Northmoor Drive; 2 stories, 28x48 ft. and 20x20 ft., composition shingle roof, hot water heat; C. A. Koenig, Archt., 2936 Russell St.; J. L. Muren & Son, Contrs., 3916 Minnesota St.

Mo., University City, St. Louis—Louis R. Massey, 4406 Forest Park St., erect \$11,000 residence, 7018 Delmar Blvd.; 2 stories, 43x25 ft., slate roof, hot-water heat; Hy J. Kaiser, Archt.; Chapline Construction Co., Contr., both Wainwright Bldg., St. Louis.

Mo., University City, St. Louis—Mrs. J. Buettner, 3891 Utah St., erect \$10,000, brick bungalow, 7254 Colgate St.; 1½ stories, 35.5x49 ft., tile roof, hot-water heat; F. G. Avis, Archt.-Contr., 7346 Manchester St.

Mo., University City, St. Louis—E. O. Klimmich, 2915 Eads St., erect 2 brick dwellings and steel garages, 7278-80 Lindell Blvd.; 2 stories, 24x34 ft., tile roofs, hot-water heat; total cost \$13,000; owner builds.

N. C., Brevard—French Broad Park, Inc., T. J. Salter, Pres., Montgomery, Ala., erect 500 cottages, French Broad Park; 10 under construction.

N. C., Leaksville—Carolina Cotton & Woolen Mills let contract to J. M. Hooper Construction Co. for 15 employees' cottages and to John Smith for 5 cottages.

S. C., Columbia—Robt. Walker and B. B. Kirkland, 1411 Assembly St., erect residence;

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Julius H. Walker & Co., Contrs., Palmetto Bank Bldg.

Tenn., Chattanooga—J. P. McCallie, McCallie Place, erecting \$12,000 brick and clay tile residence, Missionary Ridge; 2 stories, 32x64 ft., hardwood floors, Carey composition roof; Gordon Smith, Archt., Volunteer Bldg.; Frak Lerch, Contr. on percentage basis. See Machinery Wanted.*

Tenn., Knoxville—J. O. Morris erect \$25,000 residence, Sequoyah Hills; cement tile, tile roof; Ryno & Brackney, Archts., 505 Henson Bldg.; Schubert Home Building Co., Contr.

Tenn., Knoxville—Judge John Jennings, Jr., erect \$16,000 brick veneer residence, Kingston Pike; 10 rooms, 120 ft. long; Ryno & Brackney, Archts.; J. A. Cox, Contr., 113 W. Glenwood St.*

Tenn., Knoxville—J. W. Sullivan, 505 E. Fourth Ave., started work on \$14,000 residence, Sequoyah Hills; brick veneer, 2 stories, 28x40 ft., oak floors, brick foundation, slate roof; furnishings, equipment, etc., \$3000; Ryno & Brackney, Archts., 505 Henson Bldg.; Emery Construction Co., Contr., 408 Empire Bldg.; electric work, Knoxville Electric Co., 622 S. Gay St.; plastering, Wm. E. and Victor F. Gilbert, Martin Mill Park; painting, R. S. Freer & Sons, 526 S. Central Ave.*

Tex., Austin—Ernest Leonard erect \$13,000 residence, Westfield Addition; stucco, 2 stories and basement, concrete foundation, oak and edge grain pine floors, tile bath, cement tile roof, furnace heat; Edwin C. Kreisle, Archt., Scarbrough Bldg.; bids in.

Tex., Beaumont—L. Shuh, 648 Houston Ave., Port Arthur, erect brick veneer residence; cost about \$10,000; 2 stories, tile roof; W. L. James, Contr., 1927 Fifth St.

Tex., Houston—Houston Lumber & Building Co., Geo. H. Collins, Pres., 3120 Washington Ave., will erect 120 bungalows this year in Meadow Lawn Addition; 5 and 6 rooms, sell for \$3750 to \$5500; total expenditure \$500,000; 10 under construction; will also erect 40 dwellings, Dr. Wm. Schmoeller Addition; total cost \$150,000; 10 under construction under supervision of M. W. Gilliam, Archt., 4117 Walker St.; all material from owner's yard, 3120 Washington Ave.; financing and insuring by Ben M. & Robt. J. Levy, Bankers Mortgage Bldg.*

Tex., Houston—Ben Campbell and Sewell Myer erect \$25,000 duplex, 2501 Crawford St.; 2-story, 12 rooms, brick veneer, copper clad shingles; Hugh Putnam, Contr.*

Tex., Houston—B. W. Holtz, Sul Ross and Roseland Sts., erecting Spanish type residence, 2312 Calumet Drive, Riverside Terrace; 2 stories, frame and stucco; owner building; sheathing, rock lath, stucco, colored plaster, plastic paint and gypsum filler from United States Gypsum Co., Sweetwater.

Tex., Houston—Alvin Beyer, Vice-Pres., Desel-Boettcher Co., completed foundation of \$20,000 residence, 2110 Southmore Blvd.; brick veneer, 2 stories, 66.6x34 ft., 8 rooms, hardwood floors, copper clad roof; Brickey, Wiggins & Brickey, Archts., State Natl. Bank Bldg.; D. H. Brown, Contr., care Temple Lumber Co., 3400 Polk St.*

Tex., Houston—W. D. Shell erecting brick veneer residence, Feldman Court.

Tex., Houston—Robt. F. Campbell, Union Natl. Bank Bldg., erect \$20,000 residence, 1619 South Blvd.; 2 stories, 9 rooms, brick veneer, composition shingle roof; J. W. Northrop, Jr., Archt., West Bldg.; Bamm & Kellerman, Contrs.

Tex., Nacogdoches—Worth Whited, Mgr., Frost-Johnson Lumber Co., let contract for \$30,000 residence.

Tex., San Antonio—E. N. Requa, 312 N. St. Mary's St., erect \$21,000 residence, 222 W. Azarita Ave.; stone tile, 2 stories, 38x75.6 ft., oak and tile floors, reinforced concrete foundation, clay tile roof; Jas. I. White, Archt.-Engr., 607 Houston Bldg.; J. C. Ferguson Co., Inc., Contr., 204 Brady Bldg. See Machinery Wanted.*

Tex., San Antonio—E. A. Carlston erect 10 dwellings, North Woodlawn Terrace, in addition to 10 under construction; cost \$10,000 to \$15,000 each.

Va., Richmond—A. F. Newman, 616 N. 34th St., started work on 15 frame dwellings, 1500-28 Cemetery Ave.; 1 story, 24x36 ft., rift pine floors, brick foundation, tin roof; total cost \$45,000; plans and construction by owner.*

Va., Richmond—S. L. Best started work on residence, Caledonia Rd.

Va., Richmond—City Building Corp., 924 E. Main St., has contracts for 3 dwellings, Westover Hills.

Va., Richmond—A. G. Fosdick erecting Colonial residence, New Kent Rd., Westover Hills; 8 rooms, 2 baths.

Government and State

Ala., Mobile—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., let contract for buildings for \$300,000 U. S. Quarantine Station, Sand Island, Mobile Bay, to A. C. Samford, Shepherd Bldg., Montgomery; 2 officers' quarters, detention hospital, nurses' quarters, disinfecting, storage, laundry and mechanical bldgs.; brick, concrete and tile.*

Ala., Mobile—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., let contract for buildings at \$300,000, U. S. Quarantine Station, Sand Island, Mobile Bay.*

Fla., Eustis—Russell Lum has charge of constr. of \$110,000 arcade and post office building, Orange and Eustis Sts.; concrete and brick, 22 stories.

Hospitals, Sanitariums, Etc.

Ga., Augusta—United States Veterans' Bureau, Frank T. Hines, Director, Arlington Bldg., Washington, D. C., let contract to A. C. Samford, Shepherd Bldg., Montgomery, Ala., for \$150,000 recreation building at U. S. Veterans' Hospital No. 62; work includes reinforced concrete construction, hollow tile, brick and marble work, tile floors, iron work, slate and tile roofing.*

La., Alexandria—Masonic Orphan Home let contract at \$28,500 to P. Olivier & Son, Inc., 114 Bilbo St., Lake Charles, for infirmary; brick, hollow tile, stone trim, 1 story, 42x83 ft., concrete floors and foundation, concrete and Barret roof; Herman J. Duncan, Archt., 120 Murray St.; stone work, Christie Cut Stone Co., 2082 Elzey St., Memphis, Tenn.; heating, electric work and plumbing not let. See Machinery Wanted.*

La., New Orleans—Soniat Mercy Hospital, Annunciation St., let contract at \$237,000 to Geary-Oakes Co., Inc., Title-Guarantee Bldg., for first unit of Leonice M. Soniat Memorial of Mercy Hospital; 2 stories and basement, reinforced concrete and steel frame, fireproof, pile foundation, hollow tile and brick walls, tile roof, 1 electric elevator, steam heat, 41 private rooms and 6 small wards; tile cafeteria and serving room in basement; Andry & Fettel, Archts., Carondelet Bldg.*

Mo., Joplin—Concrete Engineering Co., Walsix Bldg., has reinforcing and metal forms contract for \$150,000 St. John's Hospital addition; metal lathing, corner beads, etc., Corner Metal Lath Co., both Kansas City; C. A. Dieter Construction Co., Contr., Joplin Natl. Bank Bldg.; wants sub-bids on everything except above and heating, plumbing and electric work.*

Va., Richmond—City, Dr. W. Brownley Foster, Director of Public Welfare, started work on contagious disease hospital adjoining City Home; 1 story, brick, accommodate 30.

Hotels and Apartments

Ala., Montgomery—N. J. Bell Estate, owner of Whitley Hotel on Montgomery St., let contract to J. O. Estes Construction Co. for \$250,000, 100 room, 6 story, fireproof addition; Okel & Cooper, Archts., Bell Bldg.

Fla., Jacksonville—Beatrice Cesery erecting \$18,000, 2-story, stucco on frame, 32x58-ft., 8-apartment house on Wambolt St.; Spanish type, concrete foundation, wood floors, composition and tile roof; A. Cesery, Contr., 1924 Wambolt St.; G. O. Holmes, Archt., 135 E. Bay St.

Fla., Miami—R. H. Church, 320 N. E. 30th St., erect \$40,000, 3-story, 35x105-ft. building, N. E. First Ave. and Seventh St.; stores and shops on first floor, hotel above; E. A. Ehmman, Archt., Royal Hotel Casino; H. H. Voges, Contr., Real Estate Bldg.

Fla., Miami Beach—H. Glickman, 410 Euclid Ave., erect \$75,000, 3 story, 40x121-ft. building on Washington Ave., 50x50-ft. store-room and 5 apartments on first floor, apartments of 9 families on each floor above; concrete frame, concrete block and hollow tile walls, wood joist floor construction, concrete foundation, composition roof, equipment and furnishings cost \$12,000; Lingier & Beshgetorian, Archts., 111 S. Miami Ave., Miami; owner builds. (See Machinery Wanted.)*

Fla., Orlando—H. Carl Dann, San Juan Hotel Bldg., announced approval of final plans for \$350,000, English design, 3-story Mount Plymouth hotel; 115 outside rooms all with private baths, steam heat; in basement will be clubrooms with 400 lockers for men and 100 for women; design and construction

by L. C. Townsend & Co., Smith Bldg.; David B. Hyer, Supv. Archt., Rose Bldg.

Fla., Sarasota—Mrs. Charles D. Lewis and Florence L. McCray let contract to A. Finch, Main St., for \$30,000, 2-story, hollow tile rooming house; 36x121.9 ft., reinforced concrete foundation, built-up composition roof; equipment and furnishings cost \$10,000; Julian S. Starr, Archt., 975 Victory Ave. (See Machinery Wanted—Tile; Metal Laths; Flooring (Composition); Electric Fixtures; Ventilators.)*

Ga., Augusta—Blanchard & Calhoun, Marlon Bldg., developers of Forrest Hills, associated with Adair Realty & Trust Co., Frank Adair, Pres., Healey Bldg., Atlanta, let contract to Foundation Co., Atlanta, for \$2,000,000, 350-room Forrest-Ricker Hotel, to be operated by Ricker Hotel Co., Poland Springs, Maine; Pringle & Smith, Atlanta Trust Co. Bldg., Atlanta, and Willis Irvin, Lamar Bldg., Augusta, Asso. Archts. Address George C. Blanchard, Pres., Forrest Hills Corp.*

La., New Orleans—Jackson Homestead Assn., 722 Common St., let contract to Frederick Wust, 2627 Tulare St., for \$15,000 tenement house, Upperline, Cadiz, Willow and Clara Sts.

Miss., Biloxi—Buena Vista Hotel erecting \$15,000 convention hall; also \$12,000, 42x45-ft. addition to kitchen; Eric Johansen, Contr.

Miss., Gulfport—Gulfport Hotel Corp. erecting \$1,000,000, 8-story, 125x123 ft. commercial hotel, to be known as Markham Hotel, in honor of C. H. Markham, Pres., Illinois Central R. R.; reinforced concrete construction, piling foundation; B. H. Marshall, Archt., 721 N. Michigan Ave., Chicago, Ill.; J. W. Billingsley, Interstate Bldg., New Orleans, La., Consol. Engr.; C. A. D. Bayley Co., Contr., Interstate Bank Bldg., New Orleans, and Citizens & Southern Bank Bldg., Atlanta, Ga. (See Machinery Wanted—Tile; Steel Sash and Trim; Incinerators; Flooring; Mail Chutes; Ventilators; Marble; Cast Stone; Limestone; Terra Cotta Trim.)*

Mo., Clayton, St. Louis—Missouri Realty & Construction Co., 6117 Gage St., erect \$10,000, 34x52-ft., brick flat, Page Ave. Heights.

Mo., Springfield—Prof. J. A. Taylor, owner of Ben Franklin Hotel, erecting additional story of 25 rooms.

Mo., St. Louis—T. P. Saum, 713½ Chestnut St., let contract to L. A. Suter, 1113 W. Nagel St., for \$10,000, 37x52-ft., brick, 2-story tenement, 4455 Russell St.; composition roof, furnace heat; Saum Architects, 713½ Chestnut St.

Mo., St. Louis—M. Goldman Real Estate Co., 212 Title Guaranty Bldg., let contract to Pomeroy Construction Co., 215 Title Guaranty Bldg., for \$20,000, 37x105 ft., 2-story tenement, 5391 Wabada and 2500-2 Arlington Sts.; tar and gravel roof, furnace heat; O. J. Popp, Archt., Arcade Bldg.

Mo., St. Louis—Godwin Realty Co., 5243 Delmar Blvd., soon start work on \$25,000, 3-story, brick walls and wood joists, 45x139 ft., 24-family apartment house, Enright near Clara Sts.; wood floors, concrete foundation, composition roof; L. J. Graham, Archt., 4885 Natural Bridge Ave.; owners build and sublet all work. (See Machinery Wanted—Tile; Steel Sash; Incinerators; Flooring; Terra Cotta Trim.)*

Mo., St. Louis—F. Cieslak, 1217 Clinton St., erect \$10,000, 2 story, 38x69-ft. tenement, 2320-2 St. Louis St.; composition roof, warm air heat; owner builds.

Mo., St. Louis—A. M. Wernig, 3506-A Bailey St., let contract to J. Pohlmann, 3418 Wisconsin St., for three \$6000, 2 story, 24x45-ft. tenements, 3940-2 Fairview St. and 4019 Potomac; composition roofs, hot-air heat.

Mo., St. Louis—Hemmelman—Spackler Real Estate Co., 701 Chestnut St., let contract to C. Rallo, 4541 St. Louis St., and I. Brugone, for 3 story, brick and terra cotta, Georgian style building, Delmar Blvd. and Limits Ave.; 8 stores on first floor, 12 family apartments above, garages in rear; Corrubia & Henderson, Archts., Arcade Bldg.

Mo., St. Louis—Alco Investment Co., 808 Chestnut St., let contract to V. Chinberg, same, for \$130,000, 3-story, brick, 111x104-ft. tenement, 4412-22 N. Florissant St.; composition roof, steam heat; O. J. Popp, Archt., Arcade Bldg.

Mo., St. Louis—May Building & Investment Co., 808 Chestnut St., erect \$50,000, 3-story, brick, 48x102-ft. tenement, 5629 Enright St.; composition roof, steam heat; O. J. Popp, Archt., Arcade Bldg.; owner builds.

Mo., St. Louis—May Building & Investment Co., 808 Chestnut St., erect two 2-story, 34x

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52-ft., brick tenements, 4974-80 Chippewa St.; \$24,000; composition tile roofs, steam heat; O. J. Popp, Archt., Arcade Bldg.; owner builds.

Mo., St. Louis—West End Realty Construction Co., 451 Delmar Blvd., erect nine 2-story, brick, 34x52 ft. tenements, 4915 to 49 Lindenwood St.; \$90,000, tar and gravel roofs, hot-air heat; owner is Archt.-Builder.

Mo., University City, St. Louis—Abe Kopitsky, 3036 Linden Place, East St. Louis, let contract to Phil J. Hahn, 3128 Lafayette St., for three 2-story, brick, 24x44 ft. flats, 7034-06 and 07 Amherst Ave.; also three 1-story, brick, 18x18 ft. garages; \$24,000, composition shingle roofs, hot-air heat.

N. C., Asheville—Harriett Taylor, Grace-lynn Rd., and H. A. Campbell erect \$45,000, 3-story, brick veneer, 12-family apartment house at 171 Pearson Drive; Mr. Campbell is the Contr.; N. E. Peters, Archt., 1006 Orear-Leslie Bldg., Kansas City, Mo.

N. C., Mineral Springs—John K. Crouch and L. E. McClamma, developers of Mineral Springs Mountain, erecting 100-room, rock veneer hotel; one wing containing 30 bedrooms, lobby, dining room and kitchen, to be completed July 4; Q. E. Herman, Archt., Hickory; Marshall Crouch and Tom Setzer, Contrs.

N. C., Raleigh—C. V. York and Willis Smith, both Citizens Bank Bldg., erecting \$405,000, 8-story hotel, N. E. cor. Hargett and Dawson Sts.

Okla., Enid—Oxford Hotel, H. G. Manning, Mgr., let contract to Bass & Sons for 6-story, 80-room addition; cost \$150,000, including equipment.*

Okla., Wewoka—G. B. Sherritt received contract for erection of \$148,000, 4-story hotel; reinforced concrete, cement block and stone face, terrazzo floors, elevator, bath in all rooms. (See Machinery Wanted—Contractor's Equipment.)*

Tex., Amarillo—J. H. Anderson, care Panhandle Lumber Co., recently let contract to Harrison & Smyth Construction Co., Fuqua Bldg., for two 2-story, 42x80 ft. apartment buildings, 10th and Jackson Sts.; \$70,000, oak floors, concrete foundations, composition roofing; Spencer Jones, electric work; New Mexico Plumbing Co., plumbing; M. C. Parker, Archt.*

Tex., Brownsville—Col. Sam Robertson let contract to Downs & Driver for 10-room hotel on Padre Island.

Tex., Brownsville—J. H. Driver erecting \$15,000, tile and stucco, 10-apartment house.

Tex., Fort Worth—Fort Worth Properties Corp., John T. Jones, Pres., 3815 Montrose St., Houston, let contract to Hewitt Construction Co., Houston, for \$1,350,000, 18-story hotel and theater building, 95x200 ft., on Taylor St., bounded by W. Sixth and Seventh Sts.; exterior in Georgian Colonial style of granite, stone and brick; theater leased to Famous Players-Lasky Corp., 485 Fifth Ave., New York; Vilbig Brothers, Paris St., Dallas, have excavation contract; Alfred C. Finn, Bankers and Mortgage Bldg., Houston, and Wyatt C. Hedrick, Texas Hotel, Fort Worth, Asso. Archts.*

Tex., Houston—Lightfoot-Bolton Construction Co., 3103 Main St., has following permits: \$9500, duplex in Eastwood; \$13,000, 4-apartment house at 1241 Bell; \$12,750, 4-apartment at W. Bell and Hazel Sts.; all brick veneer construction.

Tex., Houston—J. W. Davis, 107½ Main St., recently let contract to Hugh Wilkin for \$10,000, 2-story, brick veneer apartment building, 1126 W. Gray Ave.*

Tex., Houston—Bonita Building & Lumber Co. started work on two 34x44 ft., brick apartment houses, 321 and 203 W. Clay St.; oak floors, cement foundation, \$30,000. (See Machinery Wanted.)*

Tex., Houston—J. A. Kelly, 402 Calhoun St., let contract to W. C. Streeter, 6734 Ave. R, for \$12,500, 2 story, brick veneer apartment house, 4324 Elsbury Ave.; composition shingle roof.

Tex., Houston—Waddell House Furnishing Co., 1102-S Prairie Ave., has contract for furnishing 345-room annex to Rice Hotel.*

Tex., Marshall—Sam B. Perkins of Perkins Bros. Co. let contract to Joe Pressler for \$20,000, 28-room, 1-story addition to Hotel Marshall.

Tex., Rusk—Rusk Hotel Co. let contract to F. N. Snelling for remodeling hotel building; \$30,000; C. A. Rainwater, Archt.

Tex., San Antonio—Lieut. A. Lobitz, 950 Cambridge Oval, Alamo Heights, let contract to R. C. Shane, Builders Exchange Bldg., for \$12,000 2-story, 33.2x40.4 ft. apartment house on William St.; shingle roof, pine

floors, cedar posts foundation, equipment and furnishings cost \$3000; Richard Vander Straten, Archt., 603 Travis Bldg.*

Miscellaneous

Ala., Montgomery—Morrison's Cafeteria, J. A. Morrison, Pres., expend \$12,000 for reconstruction of burned cafeteria at 21 Commerce St.; Jeffers Brothers, Contrs., 207½ Dexter Ave.*

Fla., Palm Beach—Bath and Tennis Club started work on new clubhouse at end of Main St.

Ga., Atlanta—Avondale Estates, John H. Bryley, Gen. Mgr., McGowan-Bowen Bldg., let contract to Hoke N. Smith, 19 Greencove St., for bathing casino and clubhouse.*

Mo., St. Louis—Croatorian Turning Society, Vincent Budrovich, Chmn., 604 Olive St., sponsoring erection of \$200,000, 2-story Croatorian Sokal Gymnastic Building at 1441 Chouteau Ave.; 125x150 ft., include 6 stores, swimming pool, shower baths and gymnasium on first floor and 7 offices, meeting hall and auditorium above.

Tex., Waco—Methodist Orphanage, W. F. Barnett, Mgr., 619 Herring Ave., remodeling interior of boys' dormitory; \$30,000; equipment and furnishings cost \$10,000; 2 stories, 125x160 ft., wood and concrete floors, tile roof, brick, cement and wood construction; Milton W. Scott, Archt., 412½ Franklin Ave.*

Railway Stations, Sheds, Etc.

Tenn., McKenzie—Louisville & Nashville Railroad, W. H. Courtenay, Ch. Engr., Louisville, Ky., let contract to Sumner Construction Co., 155 Fourth St., Nashville, for \$20,000 passenger depot; lumber, Norvell & Wallace; asphalt, G. B. Howard Co.; millwork, Sutherland Mfg. Co.; all Nashville.*

Schools

Ala., Monroeville—Monroe County Board of Education soon start work on 50x100-ft. annex to High School.

Ark., Gravette—School Board let contract to L. A. Baughn for new school building.

Ark., Helena—School Board recently let contract to E. W. Jenkins, 215 W. Second St., Little Rock, for \$47,500, 2 story, 114x160 ft., brick veneer school building; composition shingle roof; Aubry Boyd, Archt., Little Rock.*

Fla., Bradenton—Manatee County Board of Public Instruction recently let contract to T. A. Monk, Box 1442, at \$35,000, for 101x55 rd. and 77x55 ft., 1 story, hollow tile and stucco schools in Palm View and Frog Creek; pine floors, concrete foundations, Johns-Manville built-up roofing; Houghton Bros., plumbing; J. H. Johnson, Archt.*

Fla., Hollywood—Broward County Board of Public Instruction, Fort Lauderdale, let contract to Prescott & Boyd at \$132,500 for 12-room addition to Central School building.

Fla., Tampa—Hillsborough County Board of Public Instruction erecting \$82,987, 3-story, 84x129-ft., brick and concrete, 20-classroom addition to Memorial Junior High School; Francis J. Kennard & Son, Archts., Krause Bldg.; W. E. Rubush, Contr.*

Fla., West Palm Beach—Palm Beach County Board of Public Instruction let contract to Chalker, Lund & Crittenden at \$38,000 for addition to South Palm Beach school.

Ky., Nicholasville—Jessamine County Bd. of Education let contract to Simpson-Willis Lumber Co., Main St., at \$10,490, for 51x72 ft., brick, 1-story and basement school building; native stone foundation, built-up composition roof.

Ky., Paducah—Board of Education, L. J. Hanifan, Supt., let contract to Jack Cole, Guthrie Bldg., at \$69,815 for 2 story, face brick Andrew Jackson elementary school, 21st and Trimble Sts.; concrete floors, hollow tile, steel sash and trim, ventilators, cast stone; G. Tandy Smith, Jr., Archt., 306 Guthrie Bldg.; Dr. N. L. Englehardt, Advisory Engr., Columbia University, New York.*

Miss., Laurel—Jones County Board of Education let contract to Cooper & Simmons at \$7391 for erection of Hebron District school, near Summerland; also started work on \$20,000 school at Soso.*

Miss., Scooba—Kemper County Board of Education, De Kalb, let contract to McLeMORE & McArthur, Meridian, for Agricultural High School; Bert Stuart, Archt., Meridian.*

Miss., Sunrise—Board of School Trustees let contract to W. K. Keeton at \$15,204 for 7-room brick school building.

Mo., Joplin—Board of Education let con-

tract to C. A. Dieter Construction Co., Joplin Natl. Bank Bldg., at \$50,101, for remodeling and construction work at Lafayette School; Joplin Quarries Co. to furnish stone.

Mo., Lanagan—School Board let contract to L. D. Stalker & Son Construction Co., Pittsburgh, Kan., for \$10,000 school building.

N. C., Asheboro—Randolph County Board of Education let contract to J. S. Ferree, Greensboro, at \$15,890, for brick high school building for negroes; 1 story and basement, 7 rooms, auditorium and office.

N. C., Charlotte—Mecklenburg County Bd. of Education, Plummer Stewart, Chmn., let contracts to General Seating Co., Southern Seating Co., and Consolidated Seating Co., for seats for auditoriums and class rooms of new Berryhill, Derita and Plaza Consolidated Schools.*

N. C., Charlotte—Bd. of Education recently let contract to Southeastern Construction Co., 210 W. Second St., for \$37,500, 2-story, fireproof, 56x111 ft. Eleventh Ward Graded School on N. Graham St. extension.

N. C., Garner—Hood Brick Co., 1206 S. Boulevard, Charlotte, has contract for furnishing brick for schools at Garner and Knightdale, for which Wake County Board of Education, Raleigh, recently let general contract to Joe W. Stout & Co., Sanford, at \$88,000.*

N. C., Hollis—Rutherford County Board of Education, Rutherfordton, has let contract for 126x130-ft., 10-room, brick school building with auditorium to seat 750.

N. C., Mount Airy—Surry County Board of Education let contract to D. H. Cooke for erection of 5 school buildings.*

N. C., Mount Holly—School Board let contract to A. E. Plummer, Lowell, for \$65,000, brick high school building.

N. C., Sea Gate—New Hanover County Board of Education, Wilmington, let contract to U. A. Underwood, Murchison Bldg., at \$26,150, for brick consolidated school on Wrightsville Highway; W. R. Doshier, 107 N. 3d St., plumbing and heating at \$1086 and \$2450; wiring to Electric Maintenance Co., 129 Princess St., \$325; all Wilmington; 7 rooms with teachers' rest room, library, cloak rooms and principal's office.*

S. C., Columbia—Lutheran Theological Southern Seminary Board of Trustees, Rev. H. A. McCullough, D. D., Pres., let contract to J. C. Heslop, 1100 Senate St., for building to have 4 lecture rooms, study hall and library.

S. C., Spartanburg—Board of Trustees City Schools, Dr. A. D. Cudd, Chmn., let contract to Fiske-Carter Construction Co., Chestnut St., for 12-room addition to Fremont School building; J. Frank Colling, Archt.*

S. C., Swansea—Board of Education let contract to Summersett & Co. for High School building at \$38,984; Lafaye & Lafaye, Archts., 1224 Sumter St., Columbia.

Tenn., Clarksville—Montgomery County Board of Education let contract to Coulter Lumber Co. at \$9000 for 4-room combined elementary and high school building in New Providence District No. 7.

Tenn., Riceville—McMinn County Board of Education, Athens, erecting 10-classroom and assembly hall school building; Manly, Young & Meyer, Archts., Knaffle Bldg., Knoxville.

Tenn., Washington College—Washington College let contract to Burleson & Laws, Johnson City, for \$35,000 addition; R. F. Graf & Sons, Archts., Journal Bldg., Knoxville.

Tex., Arlington—Board of Directors, Agricultural and Mechanical College, F. W. Law, Pres., College Station, let contract to Crisman & Nesbit, Lansing Bldg., Dallas, at \$33,000, for 1 story, brick, tile, reinforced concrete, semi-fireproof, 114x42-ft. dining hall, at North Texas Agricultural College; Arlington Plumbing Co., heating; R. G. Smith & Co., 1036 E. Broadway, Fort Worth, plumbing; Sherrin-Lacy Co., 5429 E. Grand St., Dallas, electric wiring; Henry N. June, College Station, is College Archt.*

Tex., Brownsville—Board of Education Brownsville Independent School District call new election June 22 on \$100,000 bonds; let contract to Hanson & Son at \$25,809 for Victoria ward school; contract for power plant let at \$21,890 to R. H. Milton and partner; addition to West Brownsville school also to R. H. Milton and partner, \$7900; all bids on senior high remodeling rejected and work let on cost plus 10 per cent to Proctor & Dudley; W. H. Putegnat Co., plumbing, steam heating and wiring, \$14,099; furniture to C. H. Meyers & Co., \$7454; Harvey P. Smith, Archt., Natl. Bank of Commerce Bldg., San Antonio.*

Tex., Danbury—Board of Trustees School

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District No. 31, Mrs. Bertha Walker, Sec., let contract to C. W. Ennis, Marshall St., Houston, at \$22,800, for 1 story, brick and tile school building; concrete floor slab and foundation, wood over concrete floors, asphalt roof, steel sash and trim, plaster board, cast stone; John McLelland, Archt., 605 West Bldg., Houston.*

Tex., Dobbin—Board of Trustees Dobbin Independent School District has let contract for \$20,000 school building.

Tex., Los Angeles—Board of Education let contract to Albert Pflug, at \$17,845, for 1 story, brick and concrete school building; Henry T. Phelps, Archt., Hicks Bldg., San Antonio.*

Tex., O'Donnell—School Board recently let contract to D. N. Leaverton, Lubbock, for \$60,000, 2 story, brick, stone, semi-fireproof, 71x133-ft. High School building; concrete floors and foundation, Johns-Manville roof; Young & Pratt, heating and plumbing; W. & W. Electric Co., electric work; Roy Owens, painting; Peters & Haynes, Archt., 321-5 Temple-Ellis Bldg.; all Lubbock. (See Machinery Wanted—Tile; Metal Ceilings; Cast Stone.)*

Tex., University Station, Austin—Texas Memorial Stadium Assn., Inc., Max Fichtenbaum, Executive St., let contract to Kroeger Brooks Construction Co., Builders Exchange Bldg., San Antonio, for reinforced concrete unit to stadium; capacity of 13,000 seats, total \$116,766; A. T. Granger, Archt.-Engr., 3205 Guadalupe St.*

W. Va., Huntington—Meanor & Handloser, Archts., 1139 Fourth Ave., let contract to Abbott Brothers, Capital St., Charleston, for preparation of Fairfield stadium athletic field.*

W. Va., Moundsville—Moundsville Independent School District Board of Education let contract to J. Lee Wood & Sons, Park View, Wheeling, at \$92,727, for new Junior High School, to be constructed as addition to present high school; Stanton Heater Co., Martins Ferry, Ohio, heating and ventilating, \$13,415; H. E. Neumann, 1508 Market St., plumbing, \$5600; Felsing Electric Co., 27 Tenth St., clocks and gongs, \$1889; both Wheeling; James Cooper Electric Co., Belhairs, wiring, \$4406; also let contract to Ralph E. Crow, at \$21,484, for 4-room grade school at Park Place; Stanton Heater Co., heating and ventilating, \$1465; Allen & Trimboth, plumbing and wiring, \$1771 and \$426.*

Stores

Fla., Jacksonville—Fifth Associates of Jacksonville, care C. Buckman, 1143 Riverside Ave., let contract to W. D. Gerbrich Co., 325 W. Forsythe St., for \$75,000, 2-story, brick, 107x148 ft. building, N. W. cor. Laura and Ashley Sts.; provide space for 11 stores and 21 offices; Marsh & Saxelbye, Archts., Consolidated Bldg.*

Fla., Lake Worth—Wonder City Lumber Co., E. E. Greene, Pres., started work on 2-story, \$25,000, store and office building, Lake Ave.

Fla., Miami—Mansbro Realty Co. erect \$60,000, 2-story group of stores at 2701 N. E. Second Ave.; 40-room hotel on second floor; Charles P. Rawson, Archt., Apt. 3, 317 N. E. 20 Terrace; Romig & Williams, Contrs.

Fla., Miami—S. M. Tatum, 184 S. E. 14th St., has two \$10,000 permits for group of stores, N. E. First St. and Miami Ave.; Henry LaPointe, Archt., Burdine Bldg.; Charles S. Ewing Co., Contrs., 115 N. E. 14th St.

Fla., Miami—Charles Howark let contract to E. L. McRae, Townley Bldg., for \$20,000 group of stores, N. W. 24th Sta. and Second Ave.

Fla., Plant City—W. B. Herring erecting 1-story brick building.

Fla., St. Petersburg—Capt. Cramer B.

Potter, 3940 Central Ave., let contract to Baker & Baker, 1404 Central Ave., for \$40,000, 2 story, brick, 140x100-ft. store building, Ninth St. and First Ave. South; N. E. Benjamin, Archt.

Fla., Tampa—William Le Duc, Tampa and Jackson Sts., let contract to C. F. Aulick, 309 E. Park Ave., for \$30,000, brick and concrete, 195x55 ft. store and filling station, Fortune and Tampa Sts.; R. B. Gambier, Archt., 814½ Franklin St.

Ga., Atlanta—Hugh S. Richardson, 66½ Forsyth St., let contract to American Construction Engineers for \$40,000, 3-story and basement, steel and concrete, 60x70 ft. building, Peachtree and Forsyth Sts. and Carnegie Way, storerooms on first floor, show and sample rooms above; concrete and steel foundation, tar and gravel roof; elevator, plate-glass show windows; Pringle & Smith, Archts., Atlanta Trust Co. Bldg.*

Ga., Macon—Union Dry Goods Co., Cherry St., let contract to W. J. Beeland, 560 Second St., for 3-story addition and mezzanine floor to store on Cherry St.

La., Shreveport—Johnson Furniture Co., 509 Milam St., opened bids for erecting 6-story, 123x160-ft., reinforced concrete, brick, stone trim, fireproof building, Texas Ave. near Grand St.; L. H. Lacy & Co., 2632 Swiss St., Dallas, Texas, low bidder at \$207,000; Jones, Roessle, Olschner & Weiner, Archts., Ardus Bldg.*

Md., Baltimore—Feldman's Department Store, 927 W. Baltimore St., will let contract to Louis Ulman & Co., 418 Alsquith St., for 60x119-ft., \$70,000, 2-story and basement building on Baltimore St., frontage of Alexandroffsky property; Stanislaus Russell, Archt., 11 E. Lexington St.*

Mo., Clayton, St. Louis—Louis Seegal 1702A Tower Grove, let contract to Jones Bros. Construction Co., 5549 Wells St., St. Louis, for \$24,000, 50x26-ft. brick store, Concordia and Clayton Sts.; Guhard & Buker, Archts.

Mo., Maplewood, St. Louis—Stertzling Floral Co., 7260 Manchester Ave., erect \$12,000, 2-story, brick, 28x34 ft. building.

Mo., Maplewood, St. Louis—I. A. Willerton, 7404 Gayola Pl., let contract to William Loesche, 7309 Kayola Pl., for \$13,000, 2-story, 42x50 ft., brick commercial building, 7482-4 Manchester St.

Mo., Springfield—George and W. McDaniel, McDaniel Bank, erecting \$20,000, 1-story, 100x110 ft., 5-storeroom building, St. Louis St.; metal lumber and brick bearing walls, wood floors, built-up asphalt roof; Jack Gear, 1200 Mt. Vernon St., brick work; Berger Mfg. Co., Third and Russell Sts., St. Louis, steel; Will W. Johnson, Archt.-Contr., 301 College St.*

N. C., Charlotte—Charles Moody, 209 S. College St., let contract to Goode Construction Co., 4 W. 3d St., for \$39,000, 2-story building, Trade and College Sts.; brick, 99x101 ft.

N. C., Greensboro—J. A. Smith, 623 Summit Ave., will erect 2 or 3 story, \$20,000 to \$25,000 building, Bellemend St.; store on first floor, apartments above; work by day labor.

Okl., Oklahoma City—Leo Schmidt, 926 W. 16th St., erect \$25,000 store building at 2504 S. Walker St.

S. C., Columbia—J. P. Mason let contract to C. E. Harris for store and filling station on Two Notch Rd.

Tenn., Memphis—Fischer & Fry Improvement Co. let contract to F. V. Ragsdale Co., Empire Bldg., for \$12,000 building, 23 S. Third St.

Tex., Brownsville—Borderland Hardware Co. let contract to H. J. Hansen & Son, at \$28,000, for 2-story, brick, hollow tile, 50x120 ft., furniture store building; tile and wood over concrete floors, concrete foundation, Barrett roof, hollow and interior tile,

steel sash and trim, marble, cast stone, terra cotta trim; Elwing & Mulhausen, Archts., Harlingen.*

Tex., Dallas—Milton B. Levy Plumbing Co., 3021 Colonial St., let contract to Mahaffey & Howard, Gaston Bldg., for \$15,000 55x106-ft. building, Ervay St. and Sanger Ave.; Sam Biderman, Archt., Athletic Bldg.

Tex., San Antonio—St. Mary Street Improvement Co., care L. J. Hart and J. K. Heretta, Gunter Bldg., let contract to Sumner Sollitt Co., Natl. Bank of Commerce Bldg., for remodeling interior and new fronts to stores from the River to Strand Theater Building, on Houston St.; \$20,440; Phelps & DeWees, Archts., Gunter Bldg.*

Tex., Victoria—Miss Bessie Abshier, Victoria, and George H. Taggart, 3219 Crawford St., Houston, let contract to Ed. Wagner, for \$17,000, 1 story, brick and tile, 4-storeroom building, Constitution and Liberty Sts.

Tex., Weslaco—Weslaco Mercantile Co. let contract to J. L. Stone for addition of second story, to cost \$17,000.

Va., Richmond—John T. Wilson Co., Inc., Contrs., Mutual Bldg., started work on \$30,000, 2 story, 30x125 ft., brick, steel, wood joists store building, 212-14 N. Fourth St.; wood and tile floors, brick foundation, slag roof; A. J. Streat, Archt., Mutual Bldg. [See Machinery Wanted—Flooring (Tile); Metal Ceilings.]*

W. Va., Welch—Rhodes Realty Co. let contract to Green and Stowe for 4-story, 74x100 ft., brick and steel with glazed terra cotta front business building on McDowell St.; 4 store rooms on first floor, 3 shops on second and 14 apartments above; Fred Eichert, plumbing, heating and ventilating; Jones-Cornett, lighting and electric refrigeration; H. T. Hicks, Archt.*

Theaters

Fla., Coral Gables—J. Gordon Hussey started work on 100x200-ft. theater building, Ponce de Leon Blvd. and Avenue Giralda; open-air type, auditorium to seat 1000 to 1500; also include 20 shops.

Fla., Madison—C. A. Blalock erecting theater and office building, N. Range St.

Fla., Palm Beach—E. F. Hutton, 61 Broadway, and J. Leonard Replogle, 730 Fifth Ave., and Anthony J. Drexel Biddle, 511 Fifth Ave., all New York, financing erection of \$500,000 theater building, S. E. cor. Sunrise Ave. and County Road; 2 stories, Spanish type; Joseph Urban, Archt., Second Ave. and 129th St., New York; Cooper C. Light-brown, Contr.

Tex., Fort Worth—Fort Worth Properties Corp., John T. Jones, Pres., Houston; Hewitt Construction Co., Contrs., Houston; Famous Players-Lasky Corp., New York, lessee. (See Hotels and Apartments—Contracts Awarded.)*

Warehouses

Fla., Miami—Goodyear Tire & Rubber Co., 66 S. W. First St., let contract to St. John Construction Co., Inc., 629 N. W. 7th St., for \$60,000 3-story warehouse at 25 N. E. 25th St.; Henry La Pointe, Archt., Burdine Bldg.

Fla., Miami—Miami Supply Co., 89 S. W. Second St., erecting \$16,000 1-story frame and corrugated metal, 80x120-ft. warehouse and machine shop, N. W. First Ave.; cement floors, galvanized sheet metal roof; H. L. Johnson, Archt.; J. B. Bradford, Contr., Box 1163.*

Tenn., Chattanooga—Rogers & Leventhal, Contrs., Pound Bldg., have permit for \$10,000, 40x150 ft. warehouse and office building, E. 11th St. between Park Ave. and Magnolia.*

Tex., Abilene—J. M. Radford let contract to General Contracting Co., 615 Nogallitos St., San Antonio, for \$75,000, fireproof warehouse on Locust St.

MACHINERY, PROPOSALS AND SUPPLIES WANTED

Air Compressor.—See Water Works.

Band Saw.—F. L. Cloud, City Mgr., Kingsport, Tenn.—Receives bids June 15 for 30-in. band saw to be used in public school building.

Band Saw Mill.—R. P. Johnson (Mchy. Dealer), Wytheville, Va.—Wants prices on 7-ft. left-hand band sawmill outfit, in good condition.

Blower System.—Dorchester Lumber Co., Badham, S. C.—Wants prices on 70-in. double fan blower system.

Boilers.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids

June 18 for 5 portable smokeless boilers of down-draft type.

Boilers.—Good Roads Supply & Machinery Company, 165½ N. High St., Columbus, Ohio—Wants two 250 to 300 h. p. water-tube boilers, B. and W. Heinie or any other good standard make; must be Ohio standard for 180 lbs., complete without stack.

Bottle-Washing Machines.—Smith Chemical Corp., 206 W. Market St., Johnson City, Tenn.—Wants prices on bottle-washing machines.

Bottle-Washing Machines.—C. L. Jewell,

Horse Cave, Ky.—Wants prices on bottle-washing machines.

Bottling Machinery and Materials.—Smith Chemical Corp., W. G. Smith, Pres., Johnson City, Tenn.—Wants prices on bottling machinery and materials; correspond with manufacturers.

Breakwater.—U. S. Engineer Office, Milwaukee, Wis.—Receives bids June 28 to construct breakwater at Milwaukee Harbor.

Brick.—Dr. Roy A. Douglass, Juntindon, Tenn.—Wants prices on brick for 2-story store and office building.

Brick (Face).—Rev. L. E. Brady, Edison,

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Ga.—Wants prices on face brick for \$14,000 church.

Brick.—Boyd & Goforth, Contrs., Independence Bldg., Charlotte, N. C.—Wants brick for water works and sewers at York, S. C.

Brick-Plant Machinery.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants prices on one clay screen and several dryer cars and rails for brick work.

Bridge.—Upper Marlboro, Md. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Homer, La. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—State of Kentucky will build 3 bridges. See Construction News—Roads, Streets, Paving.

Bridge.—Conway, S. C. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Roanoke, Va., will build 2 bridges. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Vero Beach, Fla. See Construction News—Roads, Streets, Paving.

Bridge Approach.—State of South Carolina. See Construction News—Roads, Streets, Paving.

Bucket.—See Cableway.

Builders' Hardware.—Rev. L. E. Brady, Edison, Ga.—Wants prices on builders' hardware for \$14,000 church.

Building Material.—Haskell H. Martin & Co., Archts., H. R. Chapman, Mgr., Asheville, N. C.—Wants data and prices on building material; also samples and architectural catalogues.

Cableway.—Cleveland Equipment Co., O. D. Cleveland, Pres., 1601 Post Dispatch Bldg., Houston, Tex.—Wants cableway to span 400 to 600 ft. with electric hoist; 3 phase, 60 cycle, 440 volt motors, outfit to handle $\frac{3}{4}$ and $1\frac{1}{2}$ Sauerman bucket.

Carpet.—Rev. L. H. Baughman, 310 Tacoma St., Baltimore, Md.—Wants prices on carpet for \$13,000 church and Sunday school.

Cars.—See Brick-Plant Machinery.

Cars.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants 10 to 20 16-yd. all-steel standard gauge, air dump cars; give complete specifications, price and location for inspection.

Casket Handles.—Southeastern Manufacturing Co., V. B. Jenkins, Vice-Pres., 50th and Montgomery, Savannah, Ga.—Wants prices on casket handles.

Cast Stone.—W. H. Gill, Chmn., Bldg. Comm., First Baptist Church, Bartlesville, Okla.—Wants prices on cast stone for \$70,000 brick, concrete and stone church.

Cast Stone.—Walter B. Stephens, Sec., care Home State Bank, Hobart, Okla.—Wants prices on cast stone for \$50,000 church.

Cast Stone.—H. Seidenman, Mt. Pleasant, Tex.—Wants prices on cast stone for school buildings.

Cast Stone.—Jas. J. White, 607 Houston Bldg., San Antonio, Tex.—Wants prices on cast stone for \$21,000 dwelling.

Cast Stone.—Bonita Building & Lumber Co., Houston, Tex.—Wants prices on cast stone.

Cast Stone.—D. N. Leaverton, Contr., Lubbock, Tex.—Wants prices on cast stone for \$60,000 high school at O'Donnell.

Cast Stone.—W. W. Van Meter, Archt., 402 Balter Bldg., New Orleans, La.—Wants prices on cast stone for mail order seed house.

Cast Stone.—H. Glickman, 410 Euclid Ave., Miami Beach, Fla.—Wants prices on cast stone for \$75,000 apartment house.

Cast Stone.—S. S. Voigt, Archt., Biting Bldg., Wichita, Kan.—Wants prices on cast stone for hotel and country club, Donna, Tex.

Cast Stone.—C. A. D. Bayley Co., Interstate Bank Bldg., New Orleans, La.—Wants prices on cast stone for \$1,000,000 Markham Hotel, Gulfport, Miss.

Cement.—State Highway Dept., Columbia, S. C.—Receives bids June 15 to furnish cement for 8,606 mi. road in Oconee County; Samuel C. McGowan, Ch. Highway Commr.

Cement.—Rev. L. E. Brady, Edison, Ga.—Wants prices on cement for \$14,000 church.

Cement.—Sherritt & Parker, Wewoka, Okla.—Wants cement for 30-acre subdivision.

Cement and Plaster Guns.—Moore, Pickett & Fallin, Madison, N. C.—Wants prices on compressed air cement and plaster guns for stucco work, etc.

Cement Buggies.—See Contractors' Equipment.

Chairs.—See School Building Equipment.

Chemicals.—Southern Enterprise Fireworks, Inc., T. B. Smith, Sec., Clinton, N. C.—Wants prices on chemicals for manufacture of fireworks.

Church Furnishings, etc.—Alan Roth, Orlando, Fla.—Wants prices on equipment, \$6000, for synagogue.

Church Furnishings, etc.—W. H. Gill, Chmn., Bldg. Comm., First Baptist Church, Bartlesville, Okla.—Wants prices on equipment, \$20,000, for church.

Church Furnishings, etc.—Walter B. Stephens, Sec., care Home State Bank, Hobart, Okla.—Wants prices on equipment, \$10,000, for First M. E. Church, South.

Church Furnishings, etc.—Mrs. Lloyd Thomas, member, First Baptist Church, Holdenville, Okla.—Wants prices on equipment, \$15,000, for church.

Church Furnishings, etc.—Rev. L. H. Baughman, 310 Tacoma St., Baltimore, Md.—Wants prices on equipment for \$13,000 church and Sunday school.

Church Furnishings, etc.—A. H. Holton, Green St., High Point, N. C.—Wants prices on equipment, \$5000, for M. E. Church.

Clearing and Grading Equipment.—Orlando Memorial Assn., Inc., 250 S. Orange Ave., Orlando, Fla.—Wants clearing and grading equipment for 40-acre memorial burial park.

Cloth.—Southeastern Manufacturing Co., V. B. Jenkins, V.-P., 50th and Montgomery St., Savannah, Ga.—Wants prices on cloth for caskets.

Coal.—W. N. Everett, Sec. of State, Raleigh, N. C.—Receives bids July 1 for coal used by State buildings and Confederate Home, furnished as required, commencing Sept. 1, continuing through the season; price delivered in bins at Raleigh.

Concrete.—See Water Works.

Contractors' Equipment.—G. B. Sherritt, Contr., Wewoka, Okla.—Wants prices on hoisting rig, cement buggies, wheelbarrows and small tools.

Conveyors.—W. W. Van Meter, Archt., 402 Balter Bldg., New Orleans, La.—Wants prices on endless belt conveyors for mail order seed house.

Crusher (Gyratory).—R. E. Boggs, Age-Herald Bldg., Birmingham, Ala.—Wants prices on No. 8 McCully gyratory crusher, Alabama delivery.

Crusher.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one 6x10 stationary jaw rock crusher.

Crushers.—R. P. Johnson (Mchy. Dealer), Wytheville, Va.—Wants prices on small jaw crushers for crushing manganese.

Culverts.—Columbus, Ga., will build 3 culverts. See Construction News—Bridges, Culverts, Viaducts.

Dam.—U. S. Engineer Office, Pittsburgh, Pa.—Receives bids June 21 to construct Dam No. 5, Allegheny River.

Desks.—See School-Building Equipment.

Desks (School).—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids June 21 to furnish 150 school desks; delivery Quantico, Va. Sch. 670.

Diet Kitchen Equipment.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids June 14 for diet kitchen equipment for U. S. Veterans' Hospital, North Chicago, Ill.

Dredging.—J. G. Wright & Son, 124 Princess St., Wilmington, N. C.—Wants prices on hydraulic dredging for extensive development near Wrightsville Beach, requiring large fills.

Dry Kilns.—Dorchester Lumber Co., Badham, S. C.—Wants prices on dry kilns.

Dumb Waiters.—A. J. Nelson, 608 Common St., New Orleans, La.—Wants prices on dumb waiters for residence.

Electric Device.—W. M. Neyland, 408 Peoples St., Corpus Christi, Tex.—Wants prices on electric rabbit which is placed on circular track and greyhounds are used for entertainment of spectators; correspond with manufacturers.

Electric Fixtures.—Rev. L. H. Baughman, 310 Tacoma St., Baltimore, Md.—Wants prices on electric fixtures for \$13,000 church and Sunday school.

Electric Fixtures.—Mrs. Charles D. Lewis, Sarasota, Fla.—Wants prices on electric fixtures for \$30,000 rooming house.

Electric Hoist.—See Cableway.

Electric Range.—See School-Building Equipment.

Electric Refrigerators.—Jones & Trott, Inc., Archts., Woodside Bldg., Greenville, S. C.—Wants prices on electric refrigerators for cafeteria, Greensboro, N. C.

Electric Refrigerators.—Bonita Building &

Lumber Co., Houston, Tex.—Wants prices on electric refrigerators for apartment house.

Electric Refrigerators.—Amelia Cassinelli & Co., 301 W. 18th St., North Little Rock, Ark.—Wants prices on electric refrigerators for dwelling.

Electric Refrigerators.—Jas. J. White, 607 Houston Bldg., San Antonio, Tex.—Wants prices on electric refrigerators for dwelling.

Electric Refrigerators.—W. L. Cooper, Jr., Supt. Stuart Robinson School, Blackey, Ky.—Wants prices on electric refrigerators for proposed building.

Elevators.—W. W. Van Meter, Archt., 402 Balter Bldg., New Orleans, La.—Wants prices on freight and chain sack elevators for mail order seed house.

Engines (Diesel) and Accessories.—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Receives bids July 1 to furnish Diesel engines and accessories. Blank forms and information (Circular 1738) on application to offices of Panama Canal; Asst. Purchasing Agts. at Fort Mason, San Francisco, Cal.

Engines.—Dorchester Lumber Co., Badham, S. C.—Wants prices on engines.

Engine.—See Water Works.

Engine (Oil).—Owen Burns Supply Co., Box 186, Sarasota, Fla.—Wants one 150 h. p. Diesel oil engine.

Filing Cabinets.—See Steel Lockers and Files.

Fire Extinguisher.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids June 14 to furnish 1 fire extinguisher, 40-gal. capacity; delivery Quantico, Va. Sch. 622.

Fireworks Materials.—See Chemicals.

Flat Work Ironer.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids June 14 for flat work ironer for U. S. V. Hospital, Perry Point, Md.

Flooring.—Bonita Building & Lumber Co., Houston, Tex.—Wants prices on tile, concrete, hardwood and linoleum flooring.

Flooring.—Rev. L. H. Baughman, 310 Tacoma St., Baltimore, Md.—Wants prices on concrete and linoleum flooring for \$13,000 church and Sunday school.

Flooring.—Amelia Cassinelli & Co., 301 W. 18th St., North Little Rock, Ark.—Wants prices on tile, rubber tile and composition flooring for dwelling.

Flooring.—Jas. J. White, 607 Houston Bldg., San Antonio, Tex.—Wants prices on tile, concrete and hardwood flooring for \$21,000 dwelling.

Flooring.—A. J. Nelson, 608 Common St., New Orleans, La.—Wants prices on tile, concrete and hardwood flooring for residence.

Flooring.—Earl V. Bird, Fayetteville, Ark.—Wants prices on tile, hardwood and composition flooring for \$10,000 residence.

Flooring.—W. W. Van Meter, Archt., 402 Balter Bldg., New Orleans, La.—Wants prices on tile, terrazzo, concrete and linoleum flooring for mail order seed house.

Flooring.—Godwin Realty Co., 5243 Delmar Blvd., St. Louis, Mo.—Wants prices on hardwood and concrete flooring for 24-family apartment house.

Flooring.—Central Baptist Church, Texas Ave. and Dumble St., Rev. W. D. Lyster, Pastor, Houston, Tex.—Wants prices on concrete and hardwood flooring for \$125,000 church.

Flooring (Composition).—Robertson Construction Co., Bartow, Fla.—Wants prices on composition flooring for \$200,000 courthouse, Wauchula, Fla.

Flooring (Pine).—Roy A. Douglass, Huntingdon, Tenn.—Wants prices on pine flooring for 2-story store and office building.

Flooring (Tile).—J. P. McCallie, McCallie Place, Chattanooga, Tenn.—Wants prices on tile flooring for \$12,000 residence.

Flooring.—H. Glickman, 410 Euclid Ave., Miami Beach, Fla.—Wants prices on tile, concrete and hardwood flooring for \$75,000 apartment house.

Flooring.—S. S. Voigt, Archt., Biting Bldg., Wichita, Kan.—Wants prices on tile, terrazzo, concrete and hardwood flooring for hotel and country club, Donna, Tex.

Flooring (Tile).—John T. Wilson Co., Inc., Mutual Bldg., Richmond, Va.—Wants prices on tile flooring for \$30,000 store building.

Flooring.—C. A. D. Bayley Co., Interstate Bank Bldg., New Orleans, La.—Wants prices on tile and terrazzo flooring for Markham Hotel, Gulfport, Miss.

Flooring.—R. W. Carr, 801 Brooklyn St., San Antonio, Tex.—Wants prices on tile and composition flooring for residence.

Flooring.—W. H. Gill, Chmn., Bldg. Comm.,

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

First Baptist Church, Bartlesville, Okla.—Wants prices on tile and hardwood flooring for \$70,000 church.

Flooring.—Walter B. Stephens, Sec., care Home State Bank, Hobart, Okla.—Wants prices on concrete, hardwood and rubber tile flooring for \$30,000 church.

Flooring (Linoleum).—P. Olivier & Son, Inc., 114 Bilbo St., Lake Charles, La.—Wants prices on 250 yds. linoleum for \$30,000 infirmary, Alexandria, La.

Flooring.—W. L. Cooper, Jr., Supt. Stuart Robinson School, Blackey, Ky.—Wants prices on tile, concrete and linoleum flooring for proposed building.

Flooring.—H. Seidenman, Mt. Pleasant, Tex.—Wants prices on hardwood, linoleum and composition flooring for school buildings.

Flooring.—Jones & Trott, Inc., Archts., Woodside Bldg., Greenville, S. C.—Wants prices on tile, concrete and linoleum flooring for cafeteria, Greensboro, N. C.

Flooring (Composition).—Mrs. Charles D. Lewis, Sarasota, Fla.—Wants prices on composition flooring for \$30,000 rooming house.

Foundry Equipment.—T. E. Bartlett, 233 N. E. First Ave., Miami, Fla.—Wants prices on foundry equipment; correspond with manufacturers.

Garbage Cans.—Earl V. Bird, Fayetteville, Ark.—Wants prices on garbage cans.

Gas Stoves, etc.—Rev. L. H. Baughman, 310 Tacoma St., Baltimore, Md.—Wants prices on gas stoves, etc., for \$13,000 church and Sunday school.

Generator Set.—Hackley Morrison Co. (Machinery Dealers), 1708 Lewis St., Richmond, Va.—Wants prices on one 6500 to 7500 kw., 3 phase, 60 cycle, 2300 volt turbo generator.

Generator Set.—R. E. Boggs, Age-Herald Bldg., Birmingham, Ala.—Wants prices on one 200 kw. motor generator set, A. C., 2300 volts, 3 phase, 60 cycle; Alabama delivery.

Glass-Blower Pipes.—Queen City Glass Co., 411 Highland St., Cumberland, Md.—Wants prices on glass-blower pipes.

Glass Tumblers.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids June 18 for 22,200 pressed glass tumblers.

Grading.—Greensboro, N. C. See Construction News—Roads, Streets, Paving.

Gravel.—Louisiana Highway Comm., Baton Rouge, La.—Receives bids June 29 for about 6227 cu. yd. washed and screened gravel, f. o. b. cars, Torras, La.; plans on file; W. B. Robert, State Highway Engr.

Gravel.—State of Louisiana. See Construction News—Roads, Streets, Paving.

Gravel and Sand.—Sherritt & Parker, Wewoka, Okla.—Wants gravel and sand for 30-acre subdivision.

Gymnasium Equipment.—See School-Building Equipment.

Hardware.—J. H. Norton Co., Liberty and Halifax St., Norfolk, Va.—Wants data and prices on incinerators for \$1,000,000 Markham Hotel or dealers.

Holisting Rig.—See Contractors' Equipment.

Hosiery Waste or Tops.—R. P. Hecht, School for the New Age, Saluda, N. C.—Wants to correspond with manufacturers who have for sale woolen hosiery waste or tops to be used in hooked rugs.

Hospital Furnishings, etc.—L. E. Thomas, Chmn., Board of Trustees, Masonic Orphan Home, Shreveport, La., or Herman J. Duncan, 120 Murray St., Alexandria, La.—Wants prices on equipment for \$30,000 infirmary, Alexandria.

Ice Cream Cabinet.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids June 16 for ice cream cabinet for U. S. V. Hospital, Castle Point, N. Y.

Incinerators.—W. L. Cooper, Jr., Supt. Stuart Robinson School, Blackey, Ky.—Wants prices on incinerators for proposed building.

Incinerators.—Godwin Realty Co., 5243 Delmar Blvd., St. Louis, Mo.—Wants prices on incinerators for 24-family apartment house.

Incinerators.—W. W. Van Meter, Archt., 402 Balter Bldg., New Orleans, La.—Wants prices on incinerators for mail order seed house.

Incinerators.—H. Glickman, 410 Euclid Ave., Miami Beach, Fla.—Wants prices on incinerators for \$75,000 apartment house.

Incinerators.—C. A. D. Bayley Co., Interstate Bank Bldg., New Orleans, La.—Wants prices on incinerators for \$1,000,000 Markham Hotel, Gulfport, Miss.

Incinerators.—Bonita Building & Lumber

Co., Houston, Tex.—Wants prices on incinerators for apartment houses.

Kitchen Equipment.—Rev. L. H. Baughman, 310 Tacoma St., Baltimore, Md.—Wants prices on kitchen equipment for \$13,000 church and Sunday school.

Kitchen Supplies.—U. S. Veterans' Bureau Supply Division, Washington, D. C.—Receives bids June 18 for kitchen supplies, including pans, salt and pepper canisters, steel wool, knives, brushes, etc.

Knitting Machinery.—Bassett Knitting Mill, Inc., R. L. Stone, Pres., Bassett, Va.—Wants knitting machinery for men's knit underwear.

Labeling Machines.—Smith Chemical Corp., 206 W. Market St., Johnson City, Tenn.—Wants prices on labeling machines.

Lamp Posts.—Board of Awards, F. A. Dolfield, City Register, Baltimore, Md.—Receives bids June 23 to furnish and deliver cast iron lamp posts to Div. of Lighting; C. F. Goob, Mechanical Engr.

Landscaping Tools.—Orlando Memorial Association, Inc., 250 S. Orange Ave., Orlando, Fla.—Wants miscellaneous tools for landscaping for 40-acre memorial burial park.

Laundry Machinery.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids June 18 for laundry machinery for U. S. V. Hospital, Livermore, Cal.

Lawn Mowers.—Orlando Memorial Assn., Inc., 250 S. Orange Ave., Orlando, Fla.—Wants lawn mowers for 40-acre memorial burial park.

Lawn Mower.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids June 12 to furnish power-driven lawn mower, walking type; delivery Annapolis, Md. Sch. 637.

Lighthouse Tenders.—Bureau of Lighthouses, Washington, D. C.—Receives bids June 24 for reconditioning and repairs to two lighthouse tenders, "Acacia" and "Lupine," now located near Portsmouth, Va.

Lime.—Rev. L. E. Brady, Edison, Ga.—Wants prices on lime for \$14,000 church.

Limestone.—C. A. D. Bayley Co., Interstate Bank Bldg., New Orleans, La.—Wants prices on limestone for \$1,000,000 Markham Hotel, Gulfport, Miss.

Limestone.—W. H. Gill, Chmn. Bldg. Comm., First Baptist Church, Bartlesville, Okla.—Wants prices on limestone for \$70,000 brick, concrete and stone church.

Limestone.—Walter B. Stephens, Sec., care Home State Bank, Hobart, Okla.—Wants prices on limestone for \$30,000 church.

Limestone.—N. O. Patterson, P. O. Box 328, Gadsden, Ala.—Wants prices on limestone for concrete, cut stone, brick and steel church.

Locomotive.—J. G. Skelton Co., Inc., Electric Bldg., Richmond, Va.—Wants one 35 to 50 ton, standard gauge, saddle tank locomotive; good working order.

Locomotive (Gasoline).—D. C. Elphinstone, Inc. (Mch. Dealer), 408 Continental Bldg., Baltimore, Md.—Wants prices on one 8-ton standard gauge gasoline locomotive.

Locomotive.—Merrill B. Parker, 1912 Oak St., Chattanooga, Tenn.—Wants 30-ton standard gauge locomotive; Mogul preferred; good second-hand equipment for re-sale.

Lumber.—Sherman Lumber Co., Tom Sherman, Pres., Athens, Tenn.—Wants prices on lumber.

Lumber.—Sherritt & Parker, Wewoka, Okla.—Wants lumber for 30-acre subdivision.

Lumber.—Southeastern Manufacturing Co., V. B. Jenkins, Fiftieth and Montgomery St., Savannah, Ga.—Wants prices on lumber for manufacture of caskets.

Lumber.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids June 11 to furnish 800 pieces lumber; delivery Washington, D. C. Sch. 664.

Mail Chutes.—C. A. D. Bayley Co., Interstate Bank Bldg., New Orleans, La.—Wants prices on mail chutes for \$1,000,000 Markham Hotel, Gulfport, Miss.

Mail Chutes.—Bonita Building & Lumber Co., Houston, Tex.—Wants prices on mail chutes for apartment houses.

Mail Chutes.—W. W. Van Meter, Archt., 402 Balter Bldg., New Orleans, La.—Wants prices on mail chutes for mail order seed house.

Marble.—W. W. Van Meter, 402 Balter Bldg., New Orleans, La.—Wants prices on marble for mail order seed house.

Marble.—C. A. D. Bayley Co., Interstate Bank Bldg., New Orleans, La.—Wants prices on marble for \$1,000,000 Markham Hotel, Gulfport, Miss.

Marble.—S. S. Voigt, Archt., Bitting Bldg.,

Wichita, Kan.—Wants prices on marble for hotel and country club at Donna, Tex.

Mechanical Equipment.—Constructing Quartermaster, Army & Navy General Hospital, Hot Springs, Ark.—Receives bids June 22 to furnish and install mechanical equipment in power plants and laundry buildings, outside steam distribution lines and refrigeration system.

Metal Ceilings.—D. N. Leaverton, Contr., Lubbock, Tex.—Wants prices on metal ceilings for \$60,000 high school at O'Donnell.

Metal Ceilings.—Amelia Cassinelli & Co., 301 W. 18th St., North Little Rock, Ark.—Wants prices on metal ceilings for dwelling.

Metal Ceilings.—Rev. L. E. Brady, Edison, Ga.—Wants prices on metal ceilings for \$14,000 church.

Metal Ceilings.—N. O. Patterson, P. O. Box 328, Gadsden, Ala.—Wants prices on metal ceilings for church.

Metal Ceilings.—John T. Wilson Co., Inc., Mutual Bldg., Richmond, Va.—Wants prices on metal ceilings for \$30,000 store building.

Metal Ceilings.—Central Baptist Church, Texas Ave. and Dumble St., Rev. W. D. Lyster, Pastor, Houston, Tex.—Wants prices on metal ceilings for \$125,000 building.

Motor.—See Pump and Motor.

Metal Ceilings.—H. Seidenman, Mt. Pleasant, Tex.—Wants prices on metal ceilings for school buildings.

Metal Ceilings.—W. L. Cooper, Jr., Supt. Stuart Robinson School, Blackey, Ky.—Wants prices on metal ceilings for proposed buildings.

Metal Doors.—W. L. Cooper, Jr., Supt. Stuart Robinson School, Blackey, Ky.—Wants prices on metal doors for proposed building.

Metal Doors.—W. W. Van Meter, Archt., 402 Balter Bldg., New Orleans, La.—Wants prices on metal doors for mail order seed house.

Metal Doors, Sash and Trim.—H. Glickman, 410 Euclid Ave., Miami Beach, Fla.—Wants prices on metal doors, steel sash and trim for \$75,000 apartment house.

Metal Lath.—Mrs. Charles D. Lewis, Sarasota, Fla.—Wants prices on metal lath for \$30,000 rooming house.

Miscellaneous Supplies.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids June 14 to furnish miscellaneous supplies; delivery Quantico, Va. Sch. 660.

Miscellaneous Supplies.—The Sol Company, Inc., Wien 1, Biberstrasse No. 2, Vienna, Austria—Wants prices, f. o. b. New York, on following: Patented novelties of any kind, novelties in tools, electro-technical and technical supplies, work-saving machines and instruments for all industries, automats for self-service restaurants, with view to representation.

Miscellaneous Supplies.—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Receives bids June 16 to furnish electrical supplies, fiber rail joint insulation, asbestos wood, conduit couplings, fire extinguishers, clocks, life preservers, screening, rubber boots, brushes, record book and paper. Blank forms and information (Circular 1736) on application to offices Panama Canal; Asst. Purchasing Agents at New York, New Orleans, Fort Mason, San Francisco, Cal.; also U. S. Engineer offices throughout the country.

Molder.—See Woodworking Machines.

Monolite System.—City of Huntington, W. Va.—A. B. Maupin, Engr.—Receives bids June 21 for monolite system on various streets; Homer L. Yeich, Commr. of Streets.

Motor.—See Water Works.

Motor.—Jakini Novelty Works, Jakini, Ga.—Wants prices on motor for woodworking shop.

Motor.—See Pump and Motor.

Moulders.—See Saw Mill Equipment.

Oil of Mirbane (Nitro-Benzene).—The Bradenton Drug Co., 411 Main St., Bradenton, Fla.—Wants prices on oil of mirbane (nitrobenzene) used in manufacture of insecticides, to purchase in barrel quantities.

Office Furnishings.—See School-Building Equipment.

Ornamental Iron.—Earl V. Bird, Fayetteville, Ark.—Wants prices on ornamental iron for \$10,000 residence.

Paint.—Rev. L. E. Brady, Edison, Ga.—Wants prices on paint for \$14,000 church.

Paving.—Hastings, Fla.—See Construction News—Roads, Streets, Paving.

Paving.—Easton, Md.—See Construction News—Roads, Streets, Paving.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

- Pipe (Galvanized Iron).**—See Water Works.
- Pipe (Cast Iron).**—See Water Works.
- Pipe (Vitrified Sewer).**—See Sewer.
- Pipe.**—W. M. Smith & Co., Birmingham Ala.—Wants 5000 ft. of good used 2-in. pipe.
- Pipe (Cast Iron).**—See Water Works.
- Planers and Matchers.**—See Saw Mill Equipment.
- Plaster Board.**—H. Seidenman, Mt. Pleasant, Tex.—Wants prices on plaster board for school buildings.
- Plaster Board.**—G. J. Cannon, Ponca City, Okla.—Wants prices on plaster board.
- Plaster Board.**—Jones & Trott, Inc., Architects, Woodside Bldg., Greenville, S. C.—Wants prices on plaster board for cafeteria, Greensboro, N. C.
- Plaster Board.**—Central Baptist Church, Texas Ave. and Dumble St., Rev. W. D. Lyerle, Pastor, Houston, Tex.—Wants prices on plaster board for \$125,000 church.
- Plaster Board.**—Rev. L. H. Baughman, 310 Tacoma St., Baltimore, Md.—Wants prices on plaster board for \$13,000 church.
- Plaster Board.**—Amelia Cassinelli & Co., 301 W. 18th St., North Little Rock, Ark.—Wants prices on plaster board for dwelling.
- Plate Glass.**—Dr. Roy A. Douglass, Huntingdon, Tenn.—Wants prices on plate glass for 2-story store and office building.
- Plumbing.**—Treasury Dept., Supvg. Architect's Office, Washington, D. C.—Receives bids June 29 for repairs to plumbing at U. S. Marine Hospital, St. Louis, Mo.
- Plumbing, etc.**—Treasury Dept., Supvg. Architect's Office, Washington, D. C.—Receives bids June 18 to improve existing facilities, plumbing, etc., at U. S. Marine Hospital, St. Louis, Mo.
- Plush.**—Priest & Co., Winter Haven, Fla.—Wants to correspond with manufacturers of or dealers in plush.
- Pumps (Water).**—Orlando Memorial Assn., Inc., 250 S. Orange Ave., Orlando, Fla.—Wants water pumps for 40-acre memorial burial park.
- Pump and Motor.**—Town of Lake Maitland, Fla., E. A. Upmeyer, Mayor—Receives bids June 16 for purchase, f. o. b. cars, of deep-well centrifugal pump and motor, 500-gal. per minute, 200-ft. head pump located 65 ft. below ground surface; J. B. McCrary Engineering Corp., Engrs., Atlanta, Ga.
- Rails.**—See Brick-Plant Machinery.
- Refrigerating Machines.**—C. L. Jewell, Horse Cave, Ky.—Wants prices on refrigerating machines.
- Refrigeration Plant.**—Marshall Mott, Box 25, Blytheville, Ark.—Wants prices on 4½-ton refrigeration plant.
- Resaw.**—W. M. Smith & Co., Birmingham, Ala.—Wants two roller horizontal resaw, good used condition.
- Reinforcing Steel.**—See Water Works.
- Residence Furnishings, etc.**—E. N. Requa, 312 N. St. Mary's St., San Antonio, Tex.—Wants prices on equipment for \$21,000 residence.
- Roofing.**—Rev. L. E. Brady, Edison, Ga.—Wants prices on roofing for \$14,000 church.
- Road.**—Charleston, S. C.—See Construction News—Roads, Streets, Paving.
- Road.**—Houston, Tex., will improve roads in 2 sections. See Construction News—Roads, Streets, Paving.
- Road.**—Vero Beach, Fla. See Construction News—Roads, Streets, Paving.
- Road.**—State of South Carolina will build 4 roads. See Construction News—Roads, Streets, Paving.
- Road.**—Fortress Monroe, Va.—See Construction News—Roads, Streets, Paving.
- Road.**—Louisiana Highway Comm. will build 2 roads. See Construction News—Roads, Streets, Paving.
- Road.**—Western Port, Md. See Construction News—Roads, Streets, Paving.
- Road.**—Wichita Falls, Tex. See Construction News—Roads, Streets, Paving.
- Road.**—State of Maryland will build 4 roads. See Construction News—Roads, Streets, Paving.
- Road.**—Tampa, Fla., will improve 8 roads. See Construction News—Roads, Streets, Paving.
- Road.**—State of Kentucky will build 10 roads. See Construction News—Roads, Streets, Paving.
- Road.**—State of Texas will build 4 roads. See Construction News—Roads, Streets, Paving.
- Rolling Partitions.**—H. Seidenman, Mt. Pleasant, Tex.—Wants prices on rolling partitions for school buildings.
- Rolling Partitions.**—W. L. Cooper, Jr., Supt. Stuart Robinson School, Blackey, Ky.—Wants prices on rolling partitions for proposed building.
- Rolling Partitions.**—W. H. Gill, Chmn. Bldg. Comm., First Baptist Church, Bartlesville, Okla.—Wants prices on rolling partitions for \$70,000 church.
- Rolling Partitions.**—Central Baptist Church, Texas Ave. and Dumble St., Rev. W. D. Lyerle, Pastor, Houston, Tex.—Wants prices on rolling partitions for \$125,000 church.
- Rolling Partitions.**—Walter B. Stephens, Sec., care Home State Bank, Hobart, Okla.—Wants prices on rolling partitions for \$50,000 church.
- Roofing (Corrugated Iron).**—Dorchester Lumber Co., Badham, S. C.—Wants prices on corrugated iron roofing; possibly car lots.
- Rubber Gaskets.**—Bureau of Supplies and Accounts, Navy Dept., Washington, D. C.—Receives bids June 15 to deliver rubber gaskets to Navy Yard, Washington.
- Saws (Band and Cut-off).**—See Woodworking Machines.
- Saws (Rip and Band).**—See Saw Mill Equipment.
- Saw Mill Equipment.**—Dorchester Lumber Co., Badham, S. C.—Wants prices on planers and matchers, two 6x15 in. hit speed round cylinders, three 8-in. high speed, outside moulders, 54-in. band resaw, rip saw, etc.
- School-Building Equipment.**—F. L. Cloud, City Mgr., Kingsport, Tenn.—Receives bids June 15 for following equipment for public school buildings: One 30-in. band saw, 269 straight chairs, 35 No. 5 desk fronts and 35 backs, 2 sewing machines, electric range, 138 arm chairs, 2 teachers' demonstration tables, 2 chemistry tables, 2 suspension baskets for basketball, spring board, horizontal, parallel bar and horse for gymnasium, filing case, sectional book cases, 1050 opera chairs for auditorium, stage curtain, window shades, baby grand or parlor grand piano, stage furniture, 150 kindergarten chairs, etc.
- Screen (Clay).**—See Brick-Plant Machinery.
- Seating.**—See School-Building Equipment.
- Sewers.**—City of Baltimore, Md., Milton J. Ruark, Sewerage Engr.—Receives bids June 16 for sewers in Districts J-7 and J-8. Sanitary Contract No. 223; work includes: 2475 ft. of 18-in., 450 ft. of 10-in., 4250 ft. of 8-in. vitrified pipe sewer; 1200 ft. of 6-in. vitrified house connections, 2475 ft. of 6-in. underdrain, 500 ft. of 4-in. underdrain, 265 ft. standard manholes.
- Sewers.**—City of Huntington, W. Va., Homer L. Yeich, Commr. of Streets—Receives bids June 21 for lateral sewers in various streets; A. B. Maupin, City Engr.
- Sewer and Water.**—City of Muskogee, Okla., W. H. Cavanaugh, Clk.—Receives bids June 14 for 1000 ft. of 12, 15 and 18 in. storm drains, 10 catch basins (storm-water inlets), 550 cu. yds. excavation in ditches, 106 ¾-in. lead water services; John R. March, City Engr.
- Shears.**—See Steel-Cutting Equipment.
- Shear Gates.**—Boyd & Goforth, Contrs., Independence Bldg., Charlotte, N. C.—Wants shear gates for water works, sewers at York, S. C.
- Slate Roofing, etc.**—John T. Blevins, Van Buren, Ark.—Wants samples and prices on about 80 squares slate roofing, shingles to 20x10, color gray, 3-16 in. thick; slate prices with freight allowed to Fort Smith; immediate delivery.
- Sluice Gates.**—Boyd & Goforth, Contrs., Independence Bldg., Charlotte, N. C.—Wants sluice gates for water works, sewers at York, S. C.
- Spreader.**—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants 1 or 2 Jordan spreaders, all-steel; state price, location for inspection and complete specifications.
- Sprinklers.**—W. W. Van Meter, Archt., 402 Balter Bldg., New Orleans, La.—Wants prices on sprinklers for mail order seed house.
- Sprinklers.**—Jones & Trott, Inc., Archts., Woodside Bldg., Greenville, S. C.—Wants prices on sprinklers for cafeteria, Greensboro, N. C.
- Sprinklers.**—Alabama State Docks Commission, Mobile, Ala.—Receives bids June 15 at State Office Bldg. for furnishing and installing automatic sprinkler system for cotton warehouse; 1 story, about 900x230 ft.
- Sprinklers.**—W. L. Cooper, Jr., Supt. Stuart Robinson School, Blackey, Ky.—Wants prices on sprinklers for proposed building.
- Sprinklers.**—H. Seidenman, Mt. Pleasant, Tex.—Wants prices on sprinklers for school buildings.
- Sprinkling Supplies.**—Orlando Memorial Assn., Inc., 250 S. Orange Ave., Orlando, Fla.—Wants sprinkling supplies for 40-acre memorial burial park.
- Stair Rail.**—Robertson Construction Co., Bratow, Fla.—Wants prices on miscellaneous bronze and brass stair rail for \$200,000 courthouse, Wauchula, Fla.
- Steel-Cutting Equipment.**—Townsend Sash, Door & Lumber Co., Lake Wales, Fla.—Wants shears or other kinds of equipment used in cutting steel reinforcing rods, steel I beams and steel angles, either power or hand driven.
- Steel Lockers and Files.**—W. W. Van Meter, Archt., 402 Balter Bldg., New Orleans, La.—Wants prices on steel lockers and steel files for mail order seed house.
- Steel Rails.**—Alabama State Docks Commission, State Office Bldg., Mobile, Ala.—Receives bids June 15 to furnish and deliver 900 tons of 90-lb. A. R. A., type B steel rails; Wm. L. Sibert, Chmn.
- Steel Sash.**—Godwin Realty Co., 5243 Delmar Blvd., St. Louis, Mo.—Wants prices on steel sash for 24-family apartment house.
- Steel Sash.**—Boyd & Goforth, Contrs., Independence Bldg., Charlotte, N. C.—Wants steel sash for water works, sewers at York, S. C.
- Steel Sash and Trim.**—C. A. D. Bayley Co., Interstate Bank Bldg., New Orleans, La.—Wants prices on steel sash and trim for \$1,000,000 Markham Hotel, Gulfport, Miss.
- Steel Sash and Trim.**—A. H. Mitchell, Carnegie, Okla.—Wants prices on steel sash and trim for \$25,000 hotel.
- Steel Sash.**—S. S. Voigt, Archt., Biting Bldg., Wichita, Kan.—Wants prices on steel sash for hotel and country club, Donna, Tex.
- Steel Stairs.**—Boyd & Goforth, Contrs., Independence Bldg., Charlotte, N. C.—Wants steel stairs for water works, sewers at York, S. C.
- Steel Waste Receptacles.**—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids June 15 for 15 steel, self-closing waste receptacles, Solar-Sturges Mfg. Co.'s No. 30 or equal.
- Storm Sewers.**—City of Birmingham, Ala., A. J. Hawkins, Engr.—Receives bids June 22 for construction of storm sewers in Woodlawn section, from 15 to 72 inches in diam., and necessary manholes, catch basins.
- Street.**—West Palm Beach, Fla. See Construction News—Roads, Streets, Paving.
- Street.**—Columbus, Ga. See Construction News—Roads, Streets, Paving.
- Street.**—Baltimore, Md. See Construction News—Roads, Streets, Paving.
- Street.**—Huntington, W. Va. See Construction News—Roads, Streets, Paving.
- Street.**—Galveston, Tex. See Construction News—Roads, Streets, Paving.
- Street.**—Tampa, Fla. See Construction News—Roads, Streets, Paving.
- Street.**—St. Albans, W. Va. See Construction News—Roads, Streets, Paving.
- Street.**—St. Louis, Mo. See Construction News—Roads, Streets, Paving.
- Street.**—Homer, La. See Construction News—Roads, Streets, Paving.
- Structural Steel.**—Boyd & Goforth, Contrs., Independence Bldg., Charlotte, N. C.—Wants structural steel for water works, sewers at York, S. C.
- Subway Gratings.**—Boyd & Goforth, Contrs., Independence Bldg., Charlotte, N. C.—Wants subway gratings for water works, sewers at York, S. C.
- Surfacer.**—See Woodworking Machinery.
- Tables.**—See School-Building Equipment.
- Tank (Concrete).**—See Water Works.
- Tank and Tower.**—See Water Works.
- Terra Cotta Trim.**—Godwin Realty Co., 5243 Delmar Blvd., St. Louis, Mo.—Wants prices on terra cotta trim for 24-family apartment house.
- Terra Cotta Trim.**—C. A. D. Bayley Co., Interstate Bank Bldg., New Orleans, La.—Wants prices on terra cotta trim for \$1,000,000 Markham Hotel, Gulfport, Miss.
- Terra Cotta Trim.**—H. Seidenman, Mt. Pleasant, Tex.—Wants prices on terra cotta trim for school buildings.
- Terra Cotta Trim.**—Walter B. Stephens, Sec., care Home State Bank, Hobart, Okla.—

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Wants prices on terra cotta trim for \$50,000 church.

Terra Cotta Trim.—Jones & Trott, Inc., Archts., Woodside Bldg., Greenville, S. C.—Wants prices on terra cotta trim for cafeteria, Greensboro, N. C.

Tile.—A. J. Nelson, 608 Common St., New Orleans, La.—Wants prices on hollow and interior tile for residence.

Tile.—Jones & Trott, Inc., Archts., Woodside Bldg., Greenville, S. C.—Wants prices on hollow, interior and floor tile for cafeteria, Greensboro, N. C.

Tile.—Godwin Realty Co., 5243 Delmar Blvd., St. Louis, Mo.—Wants prices on interior tile for 24-family apartment house.

Tile.—W. W. Van Meter, Archt., 402 Balter Bldg., New Orleans, La.—Wants prices on hollow and interior tile for mail order seed house.

Tile.—Central Baptist Church, Texas Ave. and Dumble St., Rev. W. D. Lyster, Pastor, Houston, Tex.—Wants prices on hollow tile for \$125,000 brick and stone building.

Tile.—State Hospital Removal, Improvement and Land Sale Commission, R. L. Brown, Sec., Box 40, Jackson, Miss.—Wants prices on about 500,000 pieces of building tile for \$2,500,000 insane hospital buildings.

Tile.—D. N. Leaverton, Contr., Lubbock, Tex.—Wants prices on hollow tile for \$60,000 high school at O'Donnell.

Tile.—G. J. Cannon, Ponca City, Okla.—Wants prices on hollow and interior tile.

Tile.—Amelia Cassinelli & Co., 301 N. 18th St., Little Rock, Ark.—Wants prices on interior tile for dwelling.

Tile.—A. H. Holton, Green St., High Point, N. C.—Wants prices on hollow tile for \$35,000 church.

Tile.—Jas. J. White, 607 Houston Bldg., San Antonio, Tex.—Wants prices on cement tile for \$21,000 dwelling.

Tile.—Bonita Building & Lumber Co., Houston, Tex.—Wants prices on interior and floor tile.

Tile.—N. O. Patterson, P. O. Box 323, Gadsden, Ala.—Wants prices on interior tile for church.

Tile.—H. Glickman, 410 Euclid Ave., Miami Beach, Fla.—Wants prices on hollow and floor tile for \$75,000 apartment house.

Tile.—S. S. Voigt, Archt., Bitting Bldg., Wichita, Kan.—Wants prices on hollow, interior and floor tile for hotel and country club, Donna, Tex.

Tile.—Mrs. Charles D. Lewis, Sarasota, Fla.—Wants prices on hollow tile for \$30,000 rooming house.

Tile.—C. A. D. Bayley Co., Interstate Bank Bldg., New Orleans, La.—Wants prices on hollow, interior and flooring tile for \$1,000,000 Markham Hotel, Gulfport, Miss.

Tile.—W. L. Cooper, Jr., Supt. Stuart Robinson School, Blackey, Ky.—Wants prices on hollow, interior and floor tile for proposed building.

Tile.—H. Seidenman, Mt. Pleasant, Tex.—Wants prices on hollow, interior and floor tile for school buildings.

Tile.—W. H. Gill, Chmn., Bldg. Comm., First Baptist Church, Bartlesville, Okla.—Wants prices on interior tile for \$70,000 church.

Toilet Article Machinery.—As-U-Lak-A Co., LaGrange, Ga.—Wants prices on machinery and supplies used in manufacture of toilet articles.

Tools.—See Contractors' Equipment.

Track.—Muscle Shoals White Lime Co., Sheffield, Ala.—Wants 36-in. gauge portable track, used equipment.

Trimmer.—See Woodworking Machinery.

Truck.—Board of Awards, F. A. Dolfield, City Register, Baltimore, Md.—Receives bids June 16 for one 2½-ton dump truck equipped with accessories for use of the Bureau of Mechanical Electrical Service; Chas. F. Goob, Engr., City Hall Annex No. 2.

Truck Loader.—D. C. Elphinstone (Mch. Dealer), 408 Continental Bldg., Baltimore, Md.—Wants prices on second-hand Haiss "creeper" truck loader.

Trumpets.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids June 15 to furnish 625 trumpets; delivery Philadelphia, Pa. Sch. 668.

Underground Steam Duct.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids June 16 for 3560 lin. ft. terra cotta underground steam duct, complete with drain tile, pipe supports, rollers, etc.

Valves and Hydrants.—Board of Awards, F. A. Dolfield, City Register, Baltimore, Md.—Receives bids June 16 to furnish and de-

liver valves and hydrants to Bureau of Water Supply; V. Bernard Siems, Water Engr.

Vaults.—W. W. Van Meter, Archt., 402 Balter Bldg., New Orleans, La.—Wants prices on 1-door vaults for mail order seed house.

Vaults.—H. Seidenman, Mt. Pleasant, Tex.—Wants prices on vaults for school buildings.

Vegetable Steamer.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids June 17 for vegetable steamer for U. S. V. Hospital, Chillicothe, Ohio.

Ventilators.—W. W. Van Meter, Archt., 402 Balter Bldg., New Orleans, La.—Wants prices on ventilators for mail order seed house.

Ventilators.—S. S. Voigt, Archt., Bitting Bldg., Wichita, Kan.—Wants prices on ventilators for hotel and country club, Donna, Tex.

Ventilators.—Walter B. Stephens, Sec., care Home State Bank, Hobart, Okla.—Wants prices on ventilators for \$50,000 church.

Ventilators.—C. A. D. Bayley Co., Interstate Bank Bldg., New Orleans, La.—Wants prices on ventilators for \$1,000,000 Markham Hotel, Gulfport, Miss.

Ventilators.—Charles D. Lewis, Sarasota, Fla.—Wants prices on ventilators for \$50,000 rooming house.

Water Works.—City of Amarillo, Tex., J. D. Bartlett, Mgr.—Receives bids June 14 for labor, materials and building water supply pipe line of 27 to 36 in. inside diam. and about 82,980 ft. long, and sludge tanks connected therewith; Wynkoop Kiersted, Consol. Engr., 614 Interstate Bldg., Kansas City, Mo.

Water Works.—City of Asheville, N. C., R. S. Hollingsworth, Pur. Agt.—Receives bids June 21 for construction of White Fawn reservoir; 60,000 cu. yds. classified excavations, 2500 cu. yds. concrete, 107 tons reinforcing steel; Chas. E. Waddell & Co., Engrs., Jackson Bldg., Asheville.

Water Works.—City of Nordheim, Tex.—Receives bids June 28 for water-works improvements, including 80 cu. ft. per minute air compressor and motor, 125 g. p. m. service pump, direct connected to motor; 50,000-gal. elevated steel tank and tower, 1580-ft. Class B, B. & S. cast iron pipe, 1340 ft. of 2-in. cast iron pipe, 6 tons cast iron specials, 17 fire hydrants, 50,000-gal. concrete ground storage tank and 40 cu. yds. footings, concrete for elevated tank and machinery; separate installation for distributing system; Terrell Bartlett, Engrs., Calcasieu Bldg., San Antonio.

Water Works.—Town of Gulfport, Fla., W. W. Swift, Clk.—Receives bids July 6 for furnishing and installing complete water-works system; principal items are 6300 ft. of 6-in., 33,000 ft. of 8-in. cast iron pipe for 100 lbs. pressure; 50,000 ft. of 1½-in. galvanized iron pipe fittings; three 8-in., twenty-five 6-in. and one hundred 1½-in. gate valves with boxes; 10 tons cast iron fittings, 60 steamer and nozzle fire hydrants; taking up and replacing 500 yds. brick pavement, 12-in. deep well, testing deep-well pump, 500 g. p. m., 180-ft. total head pump set at 50 ft.; vertical squirrel motor, 200 3-phase, 60-cycle, sufficient h. p. to operate pump; automatic control panel to operate pump electrically connected; 60 h. p. auxiliary gasoline engine, 60,000-gal. elevated water tank on 100-ft. steel tower; pump foundations, engine foundation, tank foundation, belt for auxiliary drive to pump, valves and fittings necessary to connect pumping unit to tank and main; pumphouse.

Water Works.—City Comn. of Okmulgee, Okla.—Receives bids June 21 for furnishing and installing 36-in. pipe line, about 22,000 ft. long, from reservoir now under construction; separate or combined bids will be received for excavation and backfill of trench, piling supports at river crossing, paving, repairs and installing plate steel, reinforced concrete or cast iron pipe line and appurtenances; L. F. Hazra, Consol. Engr., 919 Monadnock Bldg., Chicago, Ill.

Water Works.—City of Williamson, W. Va., L. P. Ward, Clk.—Receives bids June 25 for water-works improvements; Contract A, construction of mechanical filtration plant of 2,000,000 gal. daily capacity, including clearwell, sedimentation basin, mixing basin, four filter units, piping and appurtenances, together with brick superstructure 40x45 ft.; reinforced concrete storage tank of 50,000 gals. capacity, reinforced concrete storage tank of 100,000 gals. capacity, repairs to existing pump pit, construction of intake; Contract B comprises additions and extensions to distribution systems as follows: 2050 ft. of 6-in., 15,750 ft. of 8-in., 2100 ft. of 10-in., 3100 ft. of 12-in. cast iron pipe furnished and laid; eight 6-in., thirty 8-in., three 10-in., three 12-in. valves and valve boxes furnished and laid, 40 hydrants; Burgess &

Niple, Engrs., 223 E. Broad St., Columbus, Ohio.

Water Works.—City of Wheeling, W. Va., H. L. Kirk, Mgr.—Receives bids June 15 for furnishing, hauling and laying cast iron pipe and fitting valves, fire hydrants and appurtenances for pipe line extensions to distribution system; The J. N. Chester Engineers, Union Bank Bldg., Pittsburgh, Pa.

Welding Supplies.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids June 15 to furnish welding supplies; delivery Quantico, Va. Sch. 665.

Wire Glass.—W. W. Van Meter, Archt., 402 Balter Bldg., New Orleans, La.—Wants prices on wire glass for mail order seed house.

Wire Glass.—A. H. Mitchell, Carnegie, Okla.—Wants prices on wire glass for \$25,000 hotel.

Wire Glass.—H. Seidenman, Mt. Pleasant, Tex.—Wants prices on wire glass for school buildings.

Wire Glass.—H. Glickman, 410 Euclid Ave., Miami Beach, Fla.—Wants prices on wire glass for \$75,000 apartment house.

Wire Glass.—S. S. Voigt, Archt., Bitting Bldg., Wichita, Kan.—Wants prices on wire glass for hotel and country club, Donna, Tex.

Woodworker.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids June 17 for one woodworker.

Woodworking Machinery.—See Saw Mill Equipment.

Woodworking Machines.—Jakini Novelty Works, Jakini, Ga.—Wants prices on jointer, surfacer, cut-off and band saws, tenoner, molder for small shop.

Woodworking Machinery.—Service Lumber Co., Inc., 29th Ave., Gulfport, Miss.—Wants prices on trimmer, Universal machine and surfacer.

X-Ray Developing Powder.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids June 11 for 650 packages X-ray developing powder, 1-gal. size, f. o. b. point of shipment.

X-Ray Supplies and Equipment.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids June 14 for X-ray supplies and equipment.

Trade Literature

New Dean Hill Pump Circular.

The Dean Hill Pump Company, Anderson, Ind., have issued Circular No. 402, consisting of four large, illustrated pages, concerning their double-suction centrifugal pumps, the construction of which is described in detail.

New Boiler Tube Booklet.

A booklet on boiler tubes has just been published by the Boiler Tube Company of America, Pittsburgh, Pa., manufacturers of straight and bent tubes for all types of boilers. It tells all about what causes tube failures and how to prevent them. Tabulated and other data are also given.

Cement Prices Described.

Bearing the title "Cement Prices," the Virginia Portland Cement Corporation, Norfolk, Va., have published an explanation of the factors and conditions which control their price policy. This includes a statement of how transportation charges affect prices of cement.

Steele Water-Gas Machine Bulletin.

The Steele water-gas machine is comprehensively described and illustrated in Bulletin No. 42 of the Steele Engineering Co., Detroit, Mich. It says that with the basic improvements which have recently been made in the water-gas process it is now possible to utilize fuels that have heretofore been considered useless for this purpose. Also the thermal efficiency of the process has been very greatly increased, as well as the capacity per square foot of grate area, and more gas can be made at a much lower cost with a much lower plant investment. Full particulars are given, with much tabulated data which will be appreciated.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Development Jacksonville-Miami Inland Waterway.

Fort Pierce, Fla.—According to an announcement by B. R. Kessler, secretary of the East Coast Association of Chambers of Commerce, the unification of the entire East Coast in a determined movement for the development of the inland waterway from Jacksonville to Miami will be undertaken at the next quarterly meeting of the association at Eau Gallie on June 23. It is expected that plans will be outlined for requesting the legislature to authorize the state to take over the East Coast Canal, or empower the counties through which the waterway passes to obtain the right of way and deed it to the Government for improvement maintenance.

Plans for a canal from St. John's River at Sanford to the East Coast waterway at Indian River City will be outlined by R. W. Pearman, Jr., secretary of the Cross-State Canal Association, Sanford, Ohio. Among other subjects to be discussed will be a \$50,000 block advertising campaign for the East Coast. Definite plans for the campaign, it is stated, will be submitted by representatives of several large advertising agencies of the country, and an important point to be stressed in connection with it is the rapidly improving condition of East Coast highways, which enable visitors to travel in comfort from Jacksonville south.

Contract for Hospital Unit at \$237,000.

New Orleans, La.—General contract has been awarded at \$237,000 to the Geary-Oakes Co., Inc., of this city for the erection of the first unit of the Soniat memorial group of buildings for Mercy Hospital here. This unit will be two stories and basement, of reinforced concrete and steel construction, with pile foundation, hollow tile and brick walls and tile roof. It will be equipped with an electric elevator and a steam-heating plant. There will be 41 private rooms and six small wards, with a cafeteria and serving room in the basement. Andry & Fietel of New Orleans are the architects.

May Build Other Floating Hotels.

Charleston, S. C.—According to a statement by H. G. Buckley, president of the Marine Hotel Corporation of New York, which is having a floating hotel built at the plant here of the Charleston Dry Dock & Machine Co., it is likely that his company will have other floating hotels built in Charleston. The hotel under construction is being built on the hull of the former United States Navy monitor Amphitrite. Upon its completion it will be towed to Beaufort and used as a tourist hotel between that city and Port Royal.

Gas Line Extension to Cost \$1,500,000.

Wichita Falls, Texas, June 5—[Special.]—Extension of its natural gas pipe line from Wichita Falls to Vernon and Quanah has been authorized by the directors of the Lone Star Gas Co. of Dallas. The proposed extension will cost approximately \$1,500,000, it is stated, and the gas supply for the new line will be obtained largely from the Hutchison county field.

\$200,000 of School Bonds Sold.

Pompano, Fla.—Bonds in the amount of \$200,000 of special tax school district No. 2 at Pompano have been sold by the Broward county school board to Prudden & Co. of Toledo, Ohio, at 96.11. Funds from the bonds will be used to erect a school building at Pompano, and bids for the erection of the structure will soon be invited. James S. Richards is the county school superintendent.

Rebuilding Plants Burned at Loss of \$250,000.

Discussing details for rebuilding its box and canning plants, recently destroyed by fire at a reported loss of \$250,000, the Phillips Canning Co. of Cambridge, Md., advises the MANUFACTURERS RECORD that a new plant is already under construction. The new building will be 200 by 200 feet, construction being handled by Charles E. Brohawn of Cambridge, architect and builder. It will be equipped with the most modern machinery, orders having already been placed with the E. W. Bliss Co., Brooklyn, N. Y.; McDonald Machine Co. and Precision Die & Tool Co., both of Chicago, and the Seattle-Astoria Iron Works of Seattle, Wash.

To Vote on \$325,000 School Bond Issue.

McAllen, Texas.—An election has been called in this city for June 19 by the school board, E. M. Card, president, on a bond issue of \$325,000 for the erection of new school buildings and the improvement of existing structures. In the event of a favorable vote it is planned to build a new high school, junior high school and several ward schools, in addition to the improvement of present buildings. Plans for the buildings have been prepared by Ralph A. Cameron of San Antonio.

Completing Addition for Refining Plant.

The Louisville Petroleum Refining Co., Inc., of Louisville, Ky., William M. Mitchell, president and general manager, advises the MANUFACTURERS RECORD that it is adding a skimming plant of 3500 barrels capacity, which is expected to be ready for operation about June 25. It is of modern type and will cost about \$50,000. The present plant of the company has a refining capacity of from 1800 to 2000 barrels of fuel oil per day.

To Erect 112 Residences in Sarasota.

Sarasota, Fla.—The erection of 112 residences in East Sarasota, to sell from \$5000 to \$6500 each, will soon be started by Hare & Clark of this city. It is stated that the dwellings will be erected in units of 14 houses each, with six types of exterior design, particular attention to be given to closets and built-in features. William F. Lewis of Sarasota and Detroit is arranging financial details and Pond & Stehn will act as selling agents.

Reported Plans for Virginia Resort.

Winchester, Va.—Plans have been undertaken, it is said, by George C. Loomis and Dr. W. A. Richeson of Washington, D. C., for developing approximately 7000 acres of mountain land, which they own near here, into a large summer resort. The property is known as the "Big Survey," and it is understood that plans of the owners contemplate the erection of a large hotel on Great North Mountain.

Contract for \$600,000 Bank and Office Building.

Wilson, N. C.—General contract has been awarded by the First National Bank of this city, John F. Bruton, president, to the John T. Wilson Co. of Richmond, Va., for the erection of its proposed eight-story bank and office building here. Plans call for a limestone exterior. The lower portion of the structure will be used by the bank and upper floors for offices. Construction is expected to begin at once.

A bond issue of \$734,000 for bulkhead improvements has been sold by the city of Sanford, Fla., L. R. Phillips, clerk, to Wright, Warlow & Co., Orlando.

Winston-Salem Improvements to Cost \$1,475,000.

Winston-Salem, N. C.—The city council authorized improvements for next year to involve the expenditure of \$1,475,000, funds for the program to be provided by a bond issue. Of the total, it is anticipated that \$700,000 will be expended for street paving, \$400,000 for water and sewerage, \$250,000 for gutters and drainage, \$100,000 for building city garage and \$25,000 for the construction of bridges.

Coal Company Building 100 Dwellings.

Glen Rogers, W. Va.—Construction is under way on 100 dwellings at the Glen Rogers and Edwight mining towns of the Raleigh-Wyoming Coal Co., Charleston, of which Carl Scholz is vice-president and general manager. Fifty dwellings will be erected in each town, and it is expected that construction will be completed within 75 days. The cost of the improvements will approximate \$200,000.

Plans for \$200,000 Greensboro Hotel.

Greensboro, N. C.—Plans are expected to be ready within 60 days for a new 100-room hotel to be erected here by C. S. Watson of this city, at a cost of approximately \$200,000. The building will be eight stories, of reinforced concrete, and will be equipped with two elevators, vapor-heating plant and an ice-water system for each floor. Space will be provided for shops on the first floor and in the basement. Joseph J. Sawyer of Greensboro is the architect.

Washington-Philadelphia Airplane Service.

Washington, D. C.—According to an announcement by Secretary Hoover of the Department of Commerce, a passenger airplane service between this city and Philadelphia, to be operated under Government supervision, will soon be established. It is understood that three special Fokker planes are now under construction for the service, each to have a capacity of from 10 to 12 passengers. The local terminal will be at Bolling Field, Anacostia, and the Philadelphia terminal at the Navy yard.

Florida to Publish Newspaper.

Tallahassee, Fla.—A 16-page newspaper, to be issued twice a month and to contain news of progress from all parts of the state, will be published by the State Department of Agriculture. The paper will be called the Florida Review, and will be edited in the Bureau of Immigration by J. T. Brooks, head of the bureau, and Phil S. Taylor, advertising editor of the state. The first issue, now off the press, is of 10,000 copies, and will be sent to newspapers, chambers of commerce, county demonstration agents, banks, boards of trade, legislators and railroads. T. J. Appleyard of this city is the state printer.

Atlanta Manufacturers' Exposition.

Atlanta, Ga.—Plans are being arranged here by civic and industrial organizations for a Manufacturers' Exposition in connection with Merchants' Week, early in August. More than 800 plants are in operation in Atlanta, it is said, and these, with industries of neighbor towns, promise to leave few if any lines of manufacturing unrepresented at the coming exposition. Details for the exposition are being handled by committees appointed by the Chamber of Commerce, Merchants and Manufacturers' Association, Georgia Manufacturers' Association and the city, with W. D. Hoffman, president of the Chamber of Commerce, and C. A. Kitchens, president of the Merchants and Manufacturers' Association, as ex-officio members.

West Virginia Manufacturers Meet.

Parkersburg, W. Va., June 7.—[Special.]—An elaborate and interesting program has been arranged by Secretary J. G. Pritchard for the annual meeting of the West Virginia Manufacturers' Association to be held in this city on June 10 and 11. Among the speakers will be Judge Wm. A. Hough, a member of the Indiana State Tax Commission, whose subject is to be "Control of Public Expenditures"; Frederick G. Rees of the Pennsylvania Manufacturers' Association and of the Casualty Insurance Company is to discuss "Workmen's Compensation—Participating Stock Insurance"; R. M. Hudson of the Department of Commerce will talk on "Simplified Practice—Elimination of Waste." R. M. Archer of the West Virginia Bankers Association is to discuss the proposed classification amendment to the state Constitution; Dennis McNeill of the West Virginia Council of Retail Merchants will discuss the "Method of Handling Attachments and Assignments of Wages"; George T. Lancaster will have as his subject "Power and Industry."

At the banquet at the Chancellor Hotel Friday evening John E. Edgerton, president of the National Association of Manufacturers and chairman of the executive committee of the National Industrial Council, will be one of the speakers, along with United States Senator Charles S. Thomas of Colorado and Dr. John L. Davis.

Huge Sums in Banks and in Big Corporations.

Caldwell & Co., bankers, Nashville, Tenn., say in their June economic review:

"One reason that students of economics do not expect a major business depression is that banking conditions are absolutely sound.

"Brokers' loans have been reduced from \$3,141,000,000 on January 6 to \$2,408,695,000 on May 19—latest date figures are available. This reduction amounts to \$732,305,000. Compared with the total bank loans for the entire country this is a relatively small amount, but when we remember that all the banks in the United States combined are borrowing only \$473,943,000 from the Federal Reserve banks, the reduction in brokers' loans seems large. Consider, for instance, what would happen if brokers reduce their loans another \$700,000,000—a reduction easily possible. Banks would be able to pay off all obligations to Federal Reserve banks and have a surplus of about \$225,000,000.

"One can hardly imagine banks having that much money idle. * * *

"In this connection it may be of interest to call attention to the current assets of some of the leading corporations. The following table shows excess of current assets over current liabilities of some of the foremost corporations in the United States, as of December 31, 1925:

Company	Current Assets	Current Liabilities	Current Excess Assets
United States Steel Corp.....	\$553,005,205	\$116,918,163	\$436,087,042
General Motors Corp.....	290,869,008	109,042,207	181,826,801
General Electric Co.....	270,271,885	39,829,694	230,442,191
International Harvester Co...	189,039,525	28,675,954	160,363,571
The Pullman Company.....	50,229,414	22,446,680	27,782,734
Standard Oil Co. of N. J.*....	687,630,192	250,404,415	437,225,777

*Figures for Standard Oil of New Jersey are as of December 31, 1924. Statement for 1925 not yet issued.

"These six companies show current assets in excess of current liabilities of about \$1,500,000,000. When the 1926 statement is issued it will probably show a further increase in current assets. These big corporations are increasing their investment holdings as a secondary reserve. * * *

"Corporations listed in the above table, and many others, are competing with banks for loans, and this competition is, without doubt, having some effect in forcing money rates lower and bond prices higher."

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joints made with Leadite.*

Buffalo is proud of its water works system.

It is proud of its new modern filter plant just completed and representing an investment of millions of dollars.

That is why the City of Buffalo wanted the Convention of the American Water Works Association to meet there this year, June 7th to 11th.

They wanted other water works men thruout the country to see what they have accomplished.

Buffalo has laid about 40 miles of c.i. bell and spigot water mains with Leadite.

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INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers whether they are advertisers, or subscribers, or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

Pittsburgh Representative Appointed.

The Milwaukee Electric Crane & Manufacturing Corporation, Milwaukee, Wis., have appointed W. C. Lloyd, 913 Empire Building, Pittsburgh, Pa., as their representative in the Pittsburgh district.

Southern District Manager.

A. K. Barner, formerly assistant sales manager of the Koppel Industrial Car & Equipment Company, has been made their district manager in Southern territory, with offices in the Robert Fulton Building, Atlanta, Georgia.

Sales Engineers Enlarge Line.

Charles M. Setzer & Co., sales engineers, Charlotte, N. C., have been appointed representatives of the Erie Iron Works in that locality. The business was organized in 1916 by Mr. Setzer, and in 1925 P. B. Mayo also entered the organization, and broadening of its operations has been effected.

Wilson Rolling Wood Doors.

Wilson rolling wood doors for driveways and other openings in garages, warehouses, factories, etc., are fully illustrated and described in a new folder issued by the J. G. Wilson Corporation, 11 East Thirty-eighth street, New York. Eight or ten pictures show different applications of these doors.

Mill to Be Sold at Auction.

Elsewhere in this issue announcement is made of the forthcoming sale at auction at Louisville, Ky., on June 21 of a fully equipped muck mill and a guide mill, etc., adjacent to the Louisville & Nashville Railroad's shops, the sale to take place at the courthouse. Further particulars will be found in the advertisement.

Manhattan Perforated Metal Co.

The Manhattan Perforated Metal Co., Inc., 305 East Forty-fifth street, New York, have published a new catalogue showing their complete line of grilles and register faces for radiator enclosures. It also shows their new cane mesh, which is extensively used by trim and millwood concerns. The catalogue will be sent to anyone who writes to the company for it.

Advantages of St. Tammany Parish.

The many advantages of St. Tammany parish (county), Louisiana, are attractively set forth in a folder issued by the Victory Real Estate Company, Mandeville, La. On the first page a map shows the location of Mandeville and the county across Lake Pontchartrain from New Orleans, together with a number of other important places in the region described.

Prize Homes of Concrete.

The Lehigh Portland Cement Company, Allentown, Pa., are demonstrating the merits of concrete masonry by building houses from prize designs received from an architectural competition and then opening them for inspection by the public. Recently homes were thus opened in Birmingham and Kansas City, and on June 27 the third Lehigh prize home will be similarly opened at Bronxville, N. Y. A fourth home will shortly be opened in Winnetka, Chicago, Ill.

Change of Name.

Mechanical Handling Systems, Inc., is the new name adopted by the Cecil R. Lambert Company, Inc., Detroit, Mich., in order to identify their products and service in the title of the firm, who are specialists in the design, manufacture and installation of conveying and handling equipment. The company's facilities are being materially increased by additions to plant and personnel, but no change is made in ownership, management or executive staff.

Timken Personnel Changes.

The phenomenal growth of sales of Timken bearings for industrial uses has brought about the promotion of G. W. Curtis from industrial equipment engineer to district manager of sales, industrial division, for the Milwaukee territory. Mr. Curtis will work with R. W. Ballentine, who previously has handled this territory. S. M. Weckstein succeeds Mr. Curtis as industrial equipment engineer. G. W. Richards and A. R. Spicacci are appointed assistant industrial equipment engineers to assist Mr. Weckstein.

Allen-Bradley Electric Apparatus.

The Allen-Bradley Company, manufacturers of electric controlling apparatus, Milwaukee, Wis., have published several new bulletins relating, respectively, to D. C. manual starters, D. C. automatic starters, D. C. and A. C. mill and crane controllers, D. C. and A. C. rheostats, battery charging and testing equipment, A. C. manual starters, A. C. automatic starters and accessories. These publications are all of large pages and are perforated for filing. They are finely and comprehensively illustrated.

Westinghouse Electric's Greatest Year.

Sales by the Westinghouse Electric & Manufacturing Company for the year ending March 31, 1926, totaled \$166,006,800, as shown by the annual report to its stockholders. This represents the largest volume of business in the company's history, the high in 1925 and \$160,000,000 in 1919—the latest previous annual figures being \$158,000,000. The figure, however, included some non-electrical war business. The cost of sales was \$151,700,000. After adjustments to cover other income charges for interest, etc., the net income available for dividends and other purposes was \$14,122,001, or 11.9 per cent on the total capital stocks of \$118,503,150. The value of new orders booked during the year also shows a substantial increase over the previous year. After adjustments, the value of unfilled orders at the end of the fiscal year was \$55,163,247.

Increase of Long-Distance Telephone Cables.

When the 1926 construction program of the long lines department, American Telephone & Telegraph Company, was announced recently long-distance cable work was by far the largest item on the list. The 750 miles of cable and related equipment to be placed this year, on which construction work is well under way, call for an expenditure of approximately 40 per cent of the \$28,000,000 total involved in this year's program. Announcement is now made that during 1927 and the three following years the long-distance people plan to continue the extension of their cable system on a still greater scale. They mean to install about 1000 miles of

cable a year. They will also acquire an interest in about 400 miles of cable to be installed annually by various associated companies of the Bell system. The outstanding cable jobs for the present year include the Richmond-Petersburg section of the Washington-Atlanta route. In addition to this, plans now being made call for cable routes from St. Louis via Kansas City to Dallas, Texas, and from Atlanta via Jacksonville and West Palm Beach to Miami, Fla. Three cables are now in service between New York and Philadelphia and the fourth will be installed this year. A second cable is either being installed or is planned for installation in the near future over about one-half of the existing New York-Chicago cable route.

Lancaster Iron Works Enlargement.

The Lancaster Iron Works, Inc., by the recent acquisition of its North Plant at Lancaster, Pa., have added 10 acres of ground to their original plant area, and this addition will be used mainly for storing completed tanks and other fabricated steel plate work. Shipments to customers will then be made therefrom to suit their convenience as to erection at their establishments. The entire facilities of the works have been increased by about 50 per cent to keep pace with the general expansion indicated by acquisition of the North Plant.

\$5,500,000 Westinghouse Building Plans.

The present building program of the Westinghouse Electric & Manufacturing Company will involve an expenditure of \$5,525,000, according to T. P. Gaylord, acting vice-president. New factory structures or office buildings are now in course of construction at East Pittsburgh, Pa., headquarters of the company; also at Mansfield, Ohio; Detroit, St. Louis; East Springfield, Mass.; Sharon, Pa., and Derry, Pa. The cost of the new general office building nearing completion at the East Pittsburgh works is \$1,500,000. It is 11 stories high, with a floor area of 165,000 square feet for accommodating 1800 employees. It will be completed late this summer. At most of the other places mentioned the cost of buildings will be from \$300,000 to \$500,000, respectively.

Rapid Execution of Rush Order.

After the recent fire at the Sparrows Point (Md.) plant of the Bethlehem Steel Company it was necessary to quickly replace 500 troughing idlers and 250 return rollers. Since the disabling of the conveyor system meant thousands of dollars loss per day, the question of quick delivery was of paramount importance, and the Stearns Conveyor Company of Cleveland, Ohio, was selected to supply the new equipment. Notwithstanding the fact that under normal conditions delivery would take from six to eight weeks, the company succeeded in completing one-half of the entire order within one week and all the rest within one week following, which they believe to constitute a record for rapid delivery of unexpected rush orders. At the instructions of the Bethlehem Steel Company, two carloads were shipped from the Stearns factory by express.

Joined Murray Staff.

E. D. Johnstone, formerly resident engineer with the Fred Snare Corporation on the Hudson Avenue Station of the Brooklyn Edison Company, has joined the staff of Thomas E. Murray, Inc., 55 Duane street New York, in the capacity of resident engineer on their various activities. The Murray organization is now proceeding with the designing of the new steam generating plant for the New York Steam Corporation. The first unit will consist of three boilers, each having a capacity of 325,000 pounds of steam per hour.

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FINANCIAL NEWS

Bond Issues Proposed

Ala., Birmingham—Public Improvement—City Comm., Eunice S. Hewes, City Clk., receives bids June 22 for \$250,000 4½, 4½ or 5% \$1000 denom. bonds.*

Ala., Pell City—Water Works—City votes June 21 on bonds; R. L. Totten, Engr., Brown-Marx Bldg., Birmingham.

Ark., Harrison—Street—Comms. of Street Improvement Dist. No. 3, Thomas Wilburn, Commr., plan selling \$30,000 to \$40,000 bonds.

Fla., Avon Park—Park—City Comm. plans \$75,000 bond election to purchase Skipper's Point for Park.

Fla., Fort Pierce—Inlet—St. Lucie County Commrs. will call election June 18 on \$500,000 bonds; E. L. Price, Chmn.*

Fla., Lakeland—Municipal Improvement—City voted \$1,500,000 bonds; \$300,000, first units of Lake Mirror Civic Center; \$50,000, city park; \$30,000, athletic field; \$50,000, public parkways around lakes; \$65,000, equipment and preparation stockade grounds; \$75,000, nurses' home; \$40,000, incinerator; \$42,000, library lot; \$30,000, fire-fighting equipment; \$30,000, improve grounds around municipal buildings; \$750,000, sewer system. Address City Clk.*

Fla., Miami—School—Dade County School Dist. No. 5 voted \$735,000 bonds. Address Pres. Board of Education.

Fla., Miami—Municipal Improvements—City Comm. receives bids June 21 for \$3,550,000 bonds; F. H. Wharton, City Mgr.*

Fla., New Port Richey—Highway, Bridge—City, S. C. Park, Mayor, will call election July 6 on \$220,000 bonds.

Fla., Sarasota—Sarasota County Commrs., O. E. Roesch, Clk., receive bids June 25 for \$50,000 6% time warrants; Norman G. Corson, County Engr.

Fla., Sarasota—City Hall—City plans voting soon on \$300,000 bonds. Address City Clerk.

Fla., Sarasota—Highway—Sarasota County Commrs. plan selling \$1,250,000 bonds; F. L. Schnepfe, County Highway Engr., Durham, N. C.

Fla., South Jacksonville, Ind. Branch, Jacksonville—Trolley Cars—City, W. L. Holsenback, Clk., receives bids soon for \$55,000 bonds.

Fla., Tampa—Roads, Bridges—Hillsborough County Commrs., W. A. Dickenson, Clk., will call election June 22 on \$306,000 6% Lake Fern Special Road and Bridge Dist. bonds.

Fla., Titusville—Brevard County Board of Public Instruction, Alice Shelbourne, Sec., receives bids June 17 for \$250,000 Special Tax School Dist. No. 1, \$100,000 Special Tax School Dist. No. 3 and \$200,000 Special Tax School Dist. No. 4, 6%, \$1000 denom. bonds.*

Fla., West Palm Beach—Public Equipment—City, C. A. Bingham, Mgr., contemplates \$100,000 bond issue.

Fla., Winter Park—Improvements—City, E. F. Bellows, Clk., receives bids June 21 for \$425,000 5½% \$1000 denom. bonds.

Ga., Abbeville—Road—Wilcox County Commissioners, W. H. Wilkinson, Clk., receives bids for \$52,500 5% short term notes.

Ga., Douglas—School—Coffee County Board of Education, Melvin Tanner, Supt., will sell \$13,000 5½% West Green School Dist. bonds; J. H. Green, Sec.-Treas. Board of Trustees, West Green.

Ga., Hoboken—Road—Brantley County Commrs. plan \$200,000 bond issue.

Ky., Danville—Municipal Improvement—City, W. C. McIntyre, Mayor, plans voting in Fall on bonds for street improvement, water and sewer mains extension.

Ga., Homerville—Water, Sewer—City votes June 10 on \$40,000 bonds. Address City Clk.

Ky., Paducah—Sewer—City, J. N. Bailey, Mayor, plans bond issue in July.

La., Baton Rouge—Street—East Baton Rouge Parish voted \$22,000 Sub-Road Dist. No. 1 of Road Dist. No. 2 bonds; plans selling bonds; F. A. Woods, Sec. Police Jury.*

La., Minden—School—Webster Parish School Board, E. S. Richardson, Sec., receives bids June 21 for \$75,000 6% Doyline School Dist. No. 7 bonds.

Md., Frederick—Lateral Road—Frederick County Commrs., R. Bruce Murdock, Clk., receives bids June 15 for \$50,000 4½% \$1000 denom. bonds.

Md., Towson—School—Baltimore County

Commrs., John R. Haut, Ch. Clk., receives bids July 7 for \$250,000 4½%, \$1000 denom. bonds.

Md., Upper Marlboro—Lateral Road—Prince George County Commrs., John T. Fisher, Clk., receives bids June 15 for \$29,000 5%, \$1000 denom. bonds.

Miss., Pascagoula—Bridge—Jackson County voted \$255,000 bonds; K. W. Burnham, Pres. Board of Suprs.*

Mo., Branson—Water Works—City, J. W. Heryford, votes June 15 on bonds.

Mo., New Cambria—School—City voted \$20,000 bonds. Address Pres. School Board.

N. C., Asheville—Buncombe County School Board receives bids June 12 for \$50,000 Sandy Mush School bonds.

N. C., Elizabeth City—Improvement—City, J. H. Snowden, Auditor, receives bids June 14 for \$935,000 4½ or 5% bonds; \$480,000, water; \$306,000, street; \$110,000, sanitary sewers; \$39,000, public improvement.

N. C., Highlands—Electric Light, Sewer—Town, L. W. Rice, Clk., receives bids June 15 for \$75,000 6%, \$1000 denom. bonds.

N. C., Lenoir—School—Board of Graded School Trustees, G. C. Courtney, Chmn., receives bids June 15 for \$100,000 5, 5¼ or 5½% \$1000 denom. bonds.

N. C., Walnut Cove—Electric Light and Power, Water and Sewer—City contemplates \$20,000 bond issue. Address City Clk.

N. C., Winston-Salem—Municipal Improvement—City, Board of Public Works, contemplates \$1,555,000 bonds: \$700,000, street paving; \$400,000, water and sewerage; \$250,000, gutters and drainage; \$100,000, purchasing lot and erecting garage; \$25,000, bridges.

Okla., McAlester—Courthouse—Pittsburg County voted \$200,000 bonds; Melvin A. Wilkins, Clk.*

Okla., Tulsa—Municipal Improvement—City Comm. will call election June 22 on \$1,490,000 bonds; Charles Schultz, City Engineer.*

Okla., Tulsa—City Hospital—City Comm. contemplates \$150,000 bond election; Charles Schultz, City Engr.

S. C., St. George—Paving—Town votes June 29 on \$22,000 bonds. Address Town Clk.

Tenn., Benton—Road—Polk County Court, A. R. Arp, Clk., rejected bids for \$150,000 5% bonds.*

Tenn., Chattanooga—City plans voting Aug. 5 on \$375,000 bonds; \$250,000, school; \$125,000, city's share toward children's hospital. Address City Clk.

Tenn., Cleveland—School—Bradley County voted \$50,000 bonds. Address County Commrs.*

Tenn., Knoxville—School—City, Louis Brownlow, Mgr., receives bids June 22 for \$1,150,000 4½% bonds; John C. Borden, Director of Finance.*

Tenn., McMinnville—Highway—Warren County Court, J. W. Eaton, County Judge, receives bids June 21 for \$77,000 5% bonds.

Tenn., Trenton—School—Gibson County defeated \$125,000 bonds. Address County Commrs.*

Tex., Albany—Albany Independent School Dist. votes June 12 on \$60,000 5% bonds. Address Pres. School Trustees.

Tex., Batesville—Road—Zavalla County Commrs., N. H. Hunt, Judge, plans \$550,000 bond election.*

Tex., Bledsoe—School—Bledsoe Common School Dist. voted \$60,000 bonds. Address Pres. School Trustees.

Tex., Brownsville—School—Brownsville Independent School Dist. Board will call election June 22 on \$100,000 bonds.

Tex., Childress—Municipal Improvement—City, J. E. Baker, Sec., receives bids June 10 for \$175,000 5½% \$1000 denom. bonds; \$100,000, sewer; \$40,000, city hall; \$35,000, water works; Will P. Jones, Mayor.

Tex., Eagle Pass—Irrigation—Maverick County Irrigation Dist. votes soon on \$50,000 bonds. Address County Commrs.

Tex., Houston—Water Works—City, O. F. Holcombe, Mayor, plans selling \$1,500,000 bonds.

Tex., Levelland—School—City voted \$60,000 bonds. Address Pres. Board of Trustees.

Tex., Lorenzo—Water Works—City votes soon on \$40,000 bonds; Montgomery & Ward,

Consult. Engrs., 545 Harvey-Snyder Bldg., Wichita Falls.

Tex., McAllen—School—School Board, E. M. Card, Pres., will call election June 19 on \$325,000 bonds.

Tex., Muleshoe—Water Works—City, A. V. McCarty, Mayor, will call election on \$40,000 bonds; Montgomery & Ward, Consult. Engrs., 545 Harvey-Snyder Bldg., Wichita Falls.

Tex., Nacogdoches—School—Nacogdoches Independent School Dist. votes soon on \$60,000 bonds. Address Pres. School Trustees.

Tex., Panhandle—Sewer—City voted \$100,000 bonds; C. E. Deahl, Mayor.*

Tex., Sweetwater—City Hall—City, Mattie L. Trammell, Sec., will call election June 26 on \$160,000 bonds.

Tex., Texarkana—School—Texarkana Independent School Dist. voted \$300,000 bonds. Address Pres. Board of Education.*

Tex., Tyler—County Hospital—Smith County contemplates \$125,000 bond election. Address County Commrs.

Tex., Weslaco—City votes June 10 on \$225,000 bonds. Address City Clk.

Tex., Wichita Falls—School—Pleasant Valley School Dist. voted \$10,000 bonds; City View School Dist. voted \$20,000 bonds. Address Board of Education, care of B. D. Sartin, County Judge, Wichita Falls.

Va., Newcastle—School—Newcastle Dist. voted \$35,000 bonds. Address Pres. Board of Education.

Va., Princess Anne—Road—Princess Anne County, B. D. White, Judge, will call election Aug. 3 on \$393,000 bonds.

Va., Richmond—Highway, Indebtedness—Board of Sinking Fund Commrs. will receive bids at office of Governor June 10 for \$4,000,000 4½% certificates.

Va., Warrenton—Municipal Improvement—Town, R. W. Hilleary, Recorder, receives bids June 10 for \$100,000 sewer and \$15,000 streets 5% bonds.

W. Va., Buckhannon—Paving—City plans voting in fall on bonds. Address City Clk.

W. Va., Nutter Fort—Water Works—City, H. P. Squires, Mayor, will call election Aug. 3 on \$33,000 bonds.

Bond Issues Sold

Ala., Selma—Improvement—City, T. J. Rowell, Mayor, sold \$10,000 6% bonds to Ward, Sterne & Co., Birmingham, at 102.*

Ark., Little Rock—Street—Comms. of Street Improvement Dist. No. 356 sold \$41,000 5½% bonds to W. B. Worthen Co., Bankers, Little Rock, at \$1.80 above par.

Fla., Daytona Beach—Hospital—Board of Commrs. Halifax Hospital Dist., F. J. Niver, Chmn., Volusia County, sold \$750,000 6% \$1000 denom. bonds to Merchants Bank & Trust Co., Daytona Beach, at 98.82.*

Fla., Miami—Anticipation Notes—City Comm., H. E. Ross, City Clk., sold \$500,000 short term notes to Curtis & Sanger, New York.*

Fla., Miami Beach—Public Improvement, etc.—City Comm. sold \$1,000,000 6% bonds jointly to Wright-Warlow Co., Orlando, and Eldredge Co., New York.

Fla., Miami Beach—School—Dade County Board of Public Instruction, Miami, sold \$800,000 6% Special Tax School Dist. No. 14 bonds to Spitzer, Rorick & Co., Nicholas Bldg., Toledo, Ohio, at \$97.80.*

Fla., Okeechobee—Road, Paving, City Hall—City and Okeechobee County Commrs., C. E. Simmons, County Clk., sold \$375,000 bonds to Bank of Okeechobee and People's Bank.*

Fla., Polk City—School—City sold \$40,000 bonds to Polk City Mortgage & Finance Co. at par.

Fla., Pompano—School—Broward County School Board, Fort Lauderdale, sold \$200,000 Special Tax School Dist. No. 2 bonds to Prudden & Co., Toledo, Ohio, at 96.11.*

Fla., Sanford—Bulkhead Improvement—City, L. R. Phillips, Clk., sold \$734,000 6% bonds to Wright, Warlow & Co., Orlando, at par.*

Ga., Ludowici—Electric Lighting System—Town Clk. sold \$8000 bonds to Hanchett Bond Co.*

La., Amite City—Road—Tangipahoa Parish Police Jury sold \$30,000 6% bonds to Merchants & Farmers Bank of Ponchatoula at premium of \$1914.

(Continued on page 124)

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

WE extend the facilities of our organization to those desiring information or reports on companies with which we are identified.

Electric Bond and Share Company

(Incorporated in 1905)

Paid-up Capital and Surplus, \$75,000,000

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WE BUY MUNICIPAL BONDS

We are interested in the purchase of Southern Municipals including road, school, county, drainage and levee bonds.

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Little Rock, Ark.

Municipal Bonds

Inquiries invited from municipalities and contractors. We buy city, county, district, school, road, lighting, water works and other municipal issues.

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Specializing in the preparation of legal proceedings for municipal bond issues

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Financing For Growing Southern Corporations

IN commerce and industry the South today is sufficiently developed to warrant the vision of a much greater development of her resources in the future.

Fortunately, the South's banking facilities are ample to meet her needs in the forthcoming industrial growth.

Caldwell & Company, drawing capital from an extensive territory, have been of frequent service to Southern industries.

To industrial, public utility and similar corporations our company offers financial advisory service, and will be glad to take up with them such matters as increase of capital, plant extensions or new financing of other nature.

All communications should be addressed to Corporation Department.

"We Bank on The South"

CALDWELL & COMPANY

INVESTMENT SECURITIES

400 Union Street Nashville, Tennessee

Offices in Principal Cities

FINANCIAL NEWS

(Continued from page 122)

Miss., Hattiesburg—Refunding—City, B. D. Moore, Mayor sold \$97,278 5% bonds to Commercial National Bank, Hattiesburg, at par, accrued interest and premium of \$155.*

Miss., Quitman—Road—Clark County Commissioners sold \$10,000 6% \$500 denom. coupon bonds to Meridian Finance Corp. of Meridian, Miss., at par.

N. C., Franklin—Water, Electric Light and Power System—Town, F. L. Bryson, Clk., sold \$20,000 6% bonds to Magnus & Co., Cincinnati, Ohio, at \$20,665 and accrued interest.*

N. C., Gastonia—Public Improvement—City, D. L. Struthers, Mgr., sold \$225,000 4% bonds to Seasongood & Mayor, Cincinnati, Ohio, at \$225,428.

N. C., Raleigh—School—School Committee of Raleigh Township, E. E. Culbreth, Chm., sold \$400,000 4% bonds to Wachovia Bank & Trust Co., Raleigh, at premium of \$10,332.*

Tenn., Lookout Mountain—Fire Department—Town, Hollis M. Caldwell, Mayor, sold \$30,000 5% bonds to Magnus & Co., Cincinnati, Ohio, at par.*

Tenn., Oneida—Street, Sewer—Board of Aldermen, Arthur Sexton, Recorder-Treas., sold \$100,000 6% bonds to Caldwell & Co., Nashville, and I. B. Tigrett & Co., Jackson, Tenn.

Tex., Brownsville—Cameron County sold \$100,000 5% Brownsville Independent School Dist. bonds to A. C. Allyn & Co., Chicago, Ill., at 101.

Tex., Mount Pleasant—School—Board of Mt. Pleasant Independent School Dist. sold \$100,000 5% bonds to Weil, Roth & Co., Dixie Terminal Bldg., Cincinnati, Ohio, at par, accrued interest, plus \$640.*

Va., Danville—Municipal Improvement—City Comm., sold \$323,000 4% bonds to Braun, Bosworth & Co., 39 S. LaSalle St., Toledo, Ohio, at \$322,200.*

Building and Loan Associations

Md., Baltimore—Chauncey Building & Loan Assn., Inc., 509 American Bldg., capital \$200,000, incorporated; Meyer Livingstone.

New Financial Corporations

Ala., Goodwater—First National Bank of Goodwater, capital \$30,000, organized; W. R. Dean, Correspondent.

Ark., Norphlet—Norphlet State Bank, capital \$10,000, chartered; O. C. Hays, Wm. E. Hill.

Ark., Pine Bluff—Security Savings & Loan Assn., capital \$5,000,000, incorporated; C. J. Mansfield, Pres.; Warren; C. E. Manduser, Sec.-Treas., Pine Bluff.

Ark., Stuttgart—First State Bank capital \$150,000, incorporated; A. B. Banks, Pres.; J. C. Robbins, Vice-Pres.

Fla., Miami—East Coast Bond & Mortgage Co., 2012 N. E. Second Ave., organized; M. W. Lamar, Pres.

Ky., Paducah—Peoples National Bank of Paducah, capital \$100,000, organized; N. W. VanCulin, Correspondent, 1325 Jefferson St.

La., Lafayette—Morgan Plan Co., Inc., of Lafayette, capital \$40,000, incorporated; C. V. Bressler, 644 Camp St., New Orleans.

La., New Orleans—Cook & Co., capital \$30,000, incorporated; Herbert N. Cook, Pres., Whitney Bldg.

La., New Orleans—Maritime Mortgage Co., Inc., capital \$100,000, incorporated; L. M. Pool, Pres., 217 Carondelet St.

Md., Baltimore—Securities Corporation of Maryland, 111 N. Charles St., incorporated; Wm. L. Galvin.

Md., Baltimore—John H. Mooney & Co., Keyser Bldg., organized; John H. Mooney.

Mo., St. Louis—M. R. New & Co., incorporated; Morris Schneider, 1421a Granville Place.

N. C., Rocky Mount—First National Bank, Joe B. Ramsey, Pres., and Peoples National Bank consolidated as Peoples National Bank of Rocky Mount, capital and surplus \$200,000; Col. James W. Wood, R. A. Prilliman.

S. C., Greer—American Securities Co., capital \$20,000, chartered; R. A. Dobson, Pres.; John Ratteree, Sec.

Tex., Houston—Home Loan Co., capital \$40,000, incorporated; H. L. Davis, 1603 Preston St.

Va., Danville—Industrial Bank of Danville, S. J. Owens, Pres., plans increasing capital, \$100,000 to \$300,000.

W. Va., Huntington—Fidelity Bond & Mortgage Corp., Room 515 First Huntington National Bank Bldg., capital \$100,000, organized; J. Paul Chapman, Vice-Pres.

National Bank of Commerce, Hatton B. Rogers, Pres., Tampa, Fla., merged with Citizens Bank & Trust Co., Dr. A. L. Bize, Pres.

National Bank of Wilkes, J. A. Moss, Pres., Washington, Ga., absorbed Citizens National Bank, E. A. Barnett, Pres.

Lakeland (Fla.) banks reported clearings for May, 1926, of \$18,338,715.09, an increase over May, 1925, of \$5,827,947.09; the percentage of increase was 46.5 per cent. Clearings for April, 1926, were \$17,310,342.

How to Economize Unskilled Labor.

"Clark Theory of Labor Economy" is the title of a little book by Eugene B. Clark, founder of the Clark Tractor Company, Buchanan, Mich., manufacturers of gasoline-propelled vehicles for industrial haulage. It sets forth that production costs in manufacture can be reduced by giving the unskilled laborer a power-operated material-hauling vehicle and that the only weak point in our industrial production scheme is to be found in the movement of materials in the different production processes. Mr. Clark says that we have not yet become educated to the necessity of saving unskilled labor, or rather of increasing its productivity.

Book Review.

Some Cycles of Cathay. By William Allen White. Chapel Hill: University of North Carolina Press. 1925. Cloth. Pp. 96. \$1.50.

The thesis of this book is that our country has passed through three major political cycles, viz., the revolutionary cycle, the anti-slavery cycle and the populist cycle, each being a part of the larger cycle of democratic growth coming from the development which we commonly call Christian civilization. Although one may not agree with the theories of the author as to the origin of each movement or the processes of its development, what he has to say will be found interesting and stimulating, but he remarks in the preface that an author is not wise who would make men think as he thinks. One of the snappy paragraphs in the little volume is this: "For it is a gay, hard civilization, this Western civilization; a machine rattling, God-mocking civilization, that is just now going through a phase which is dangerous only if it is prolonged, a phase of cynical reaction against a vain and wicked war, and a futile punitive peace." Again another sentence: "We need a larger faith that we may see the substance of things hoped for in the sad evidence of things not seen."

Principles of Publicity. By Glenn C. Quiett and Ralph D. Casey. New York and London: D. Appleton & Co. 1926. Cloth. Pp. 420. \$3.

Considering that the purpose of publicity is to create in the public mind intelligent, informed and favorable opinion concerning individuals, products of industry, institutions, causes, etc., it was to be expected that there would arise the new profession of the publicity worker and a technique for publicity itself. Therefore, this book must prove useful to industries, financial concerns, public utilities, churches and various other organizations, for it tells them "how to do it." The publishers describe it as a complete working manual of practical information concerning how to write and to manipulate publicity, giving a full analysis of what publicity workers can do and of how they manage. The conduct of newspaper publicity is comprehensively described with full instructions as to how it may be obtained in proper manner. Other methods of publicity are also dealt with—for instance, exhibits of different kinds and displays of motion pictures. Special problems are likewise subjects of treatment, with consideration of all of the elements for planning publicity campaigns.

The Magnitude of the South's Business

The growth of the South is attracting the attention of the business world as never before.

Is your business expanding? Do you need increased banking facilities?

We invite your inspection of our modern, burglar-proof and fireproof Safety Deposit Vaults, which may be rented at small cost.

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**RETURNS 8% WITH
100% SECURITY**

Dividends of 2% are payable, in cash, every three months on full paid shares.

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Lakeland, Florida's highest city; Florida's largest inland city, finest climate and best water in the State; in Polk County, the largest citrus-producing county in the world.

*Let us tell you how you may take advantage
of these facts and increase your income.*

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BALTIMORE, MD.

REAL ESTATE MORTGAGE BONDS

We are interested in the purchase of first mortgage bond issues covering business property, hotels, apartment houses, etc., in amounts of \$50,000 and upwards. Entire issues city, county and district bonds purchased.

MARX AND CO.

Brown-Marx Bldg.

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The Word "SECURITY"

is often spoken of lightly, but when it is mentioned in regard to papers representing money values and the wealth of the Country it should stir up considerable thought. The intricacy or beauty of the present day securities is not the result of chance or haphazard methods, but the outgrowth of years of organized effort endeavoring to obtain beauty together with intricacy and difficulty of reproduction. As an architect plans your home to meet your wishes, so do we design and make your bonds and stock certificates for your greatest utility and protection.

*Engravers and printers of bonds
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forty years.*

SECURITY BANK NOTE CO.

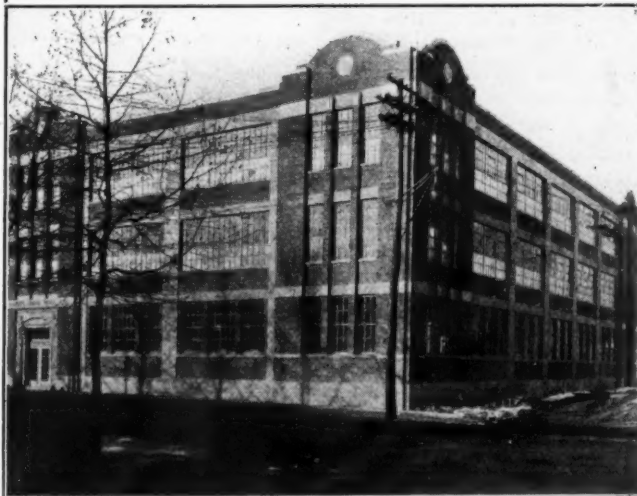
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PENNSYLVANIA

New York Office

1803 Commercial Cable Bldg., 20 Broad St.
NEW YORK CITY



An Asphalt Refinery With Capacity of 6000 Barrels Daily Now Building at Baltimore.

The Mexican Petroleum Corporation is building an asphalt refinery at Baltimore which, when completed, will be able to manufacture 6000 barrels of asphalt daily. The refinery is located on Curtis Bay at East Brooklyn. The first unit has been in operation since February 26 and the second unit was placed in operation last week. The entire plant will be operating and completed by the end of next month.

The plant is being built on dredge-filled ground, and before foundation could be poured it was necessary to drive 1200 concrete piles. This work was done by the Raymond Concrete Pile Co., New York city.

Approximately one and one-half miles of railroad spur is being constructed, with two loading racks, one for gasoline and fuel oils and the other for asphalt.

The equipment will include two batteries of asphalt stills, one to run continuously; an oxidizing plant, two main pump-houses, machine shop, pipe-bending and blacksmith shop, barrel-filling and cooling shed, barrel-storage building and steam boiler plant and transformer sub-station. The steel for the most of the buildings was fabricated and erected by Beers-Tapman, Inc., New York city, and Dorn asbestone was applied to the roof and sides. The labor of applying the asbestone was done in part by the R. J. Dorn Co., Inc., New York city, and part by the Mexican Petroleum Corporation.

Thirty-two steel tanks are being erected for the storage of asphalt and by-products, having a total capacity of 4,883,130 gallons. With the exception of a few small tanks erected by the Mexican Petroleum Corporation, all tanks, stills and towers were fabricated and erected by the M. H. Treadwell Co., New York city. The insulation of tanks was done by Johns-Manville, Inc., New York city, and W. Reid Hayden, Inc., Baltimore. The materials used were supplied by Johns-Manville and Philip Carey Mfg. Co., Lockland, Ohio, and Baltimore. In addition to the 4,883,130 gallons of new storage, the company has at present 6,300,000 gallons of storage of fuel oil and gasoline in its local storage station in Baltimore, which was erected prior to the construction of the new refinery.

In addition to the foregoing, a cooling tower capable of handling 2000 gallons of water per minute has been erected. This tower is used for cooling all the water required for condensing in the refinery process. It is built entirely of California redwood, all the nails in the construction being of copper and all bolts of brass. This tower was furnished by the Fluor Construction Company, Los Angeles, Cal., and was erected under their supervision by labor supplied by the Mexican Petroleum Corporation. A direct connected motor-driven centrifugal pump keeps the water in constant circulation between the cooling tower and the refinery equipment, and by the use of automatic devices does not require the services of an operator.

Six boilers, having a capacity 3000 boiler horsepower and supplied by the Babcock & Wilcox Co., New York city, will be installed to supply superheated steam to the entire refinery, and steam is distributed through an insulated steam system over 2½ miles long.

An automatic synchronous motor-driven air compressor, furnished by the Ingersoll-Rand Co., New York city, which runs continuously, supplies air at the desired places at all times throughout the refinery. Fresh water is furnished to the boiler plant and refinery from two wells drilled on the property, which are pumped by compressed air. Water for fire protection is delivered to the water main in the refinery by a motor-driven centrifugal pump, which can be put in operation at a moment's notice by a push-button starting mechanism.

Electricity is supplied to the refinery's sub-station by the

Consolidated Gas Electric Light & Power Co. There are two incoming 13,200-volt feeders, which run overhead to a point opposite the sub-station and then underground. The main substation apparatus consists of a main automatic oil circuit breaker and three 200 k. v. a. transformers connected with the necessary buses. To the secondary of the transformers is connected a 100-kilowatt frequency changer to supply 60-cycle service for lighting and high-speed pump motors.

The telephone system, having 40 branch telephones in the refinery, requires two miles of lead-covered cable, which is laid in metal conduit underground. All of the electric light and power circuits running throughout the refinery are also laid underground in metal conduits. No overhead wiring of any description is used. To supply current to all of the connections in the plant it was necessary to install over seven miles of lead-covered cable.

The two miles of street, running to various parts of the refinery, are lighted by electric lights hung on ornamental concrete lamp-posts. Vapor-proof lighting fixtures are used both in the street lighting and throughout the refinery to minimize fire hazard.

Du Pont National Ammonia Company Organized.

The Du Pont National Ammonia Company, with a capital stock of \$13,100,000, has been organized under the laws of Delaware. This is a holding corporation for the interests of E. I. du Pont de Nemours & Co., and the National Ammonia Co., Inc., in the manufacture of ammonia from nitrogen of the air through the Claude process and for the sale of the product. The new holding corporation has had transferred to it the major part of the stock holdings of E. I. du Pont de Nemours & Co. in Lazote, Inc., which has a plant near Charleston, W. Va., for the manufacture of ammonia by this method. The first unit of the plant was completed and production began in April this year. The holding company has also acquired an important interest in the common stock of the Pacific Nitrogen Corporation, organized by the National Ammonia Company. This company recently built, and has been successfully operating, a plant in the vicinity of Seattle, Wash., for the fixation of nitrogen in the form of ammonia. The officers of the Du Pont National Ammonia Company are: President, Jasper E. Crane; vice-president, Dr. H. Dannenbaum; treasurer, B. L. Ward; assistant treasurer, S. J. Thomison; secretary, M. D. Fisher; assistant secretary, E. A. Howard; chairman of board of directors, J. B. D. Edge.

A Wise Move by Georgia Power Co. to Attract Industries to That State.

Atlanta, Ga., June 7.—[Special.]—The Georgia Railway and Power Company has just announced the opening of a New York office, to be maintained as a part of its program in obtaining new industries for Georgia.

The new office, which is located at 120 Broadway, will be in charge of W. A. Carlisle, industrial agent of the company, and will have on file and distribute not only literature about the company itself and Georgia in general, but detailed information about the industrial attractions offered by the different municipalities served by the company. Detailed information will be on hand in reference to factory sites, labor conditions, transportation facilities and other matters which would be of interest to industrial plants seeking locations in the Southeast.

In addition to distributing literature and answering inquiries at the New York office, Mr. Carlisle, who is a well-known engineer, will personally call upon the executives of various industries in the East and keep closely in touch with the industrial situation in his efforts to attract new industries to the state.

Hope to Make Atlanta Air-Mail Center of Southeast.

Atlanta, Ga., June 5.—[Special.]—Plans to establish Atlanta as the air center of the Southeast were brought closer to completion at a meeting of the committee, consisting of Frank Neely, Frank Wilson, and John K. Ottley, appointed by Mayor Walter A. Sims to go to Washington and seek allocation of a share of the \$1,250,000 air-route fund sufficient to supply guide lights along proposed routes.

The committee was named following a discussion of the importance of light markers by Irving Glover, Second Assistant Postmaster General of the United States, who has supervision over all postal air transportation.

The necessity of properly lighting the proposed air routes, one of which is considered from Chicago to Florida through Atlanta and the other from New York to Los Angeles, also through Atlanta, was pointed out by Assistant Postmaster General Glover. He stated that it would be absolutely impossible for any commercial air navigation company to make a success of regular scheduled flights unless its planes could travel after dark as well as in daytime.

Contracts have already been let for the operation of an aerial mail route between Atlanta and Florida, and the operation of this line will start September 1, it is announced.

Bus Terminal for Consolidated Lines at Nashville.

Nashville, Tenn.—Eight motorbus companies have co-operated to establish a central terminal in this city, and are now operating from Page's Garage, which will be known as the Consolidated Bus Lines Terminals.

The companies involved are: Big Six Lebanon Line, Barbee's Safety Coach Line of Springfield, Blue Grass Transportation Co. of Gallatin, the Nashville-Clarksville Line, the Old Hickory Line, Nashville-Dickinson Line, Smithville Transportation Co. and the Union Transfer Co. Officers of the corporation are: J. E. Evans of Smithville, president; Leland T. Hume of Nashville, vice-president, and Ray Quarles of Murfreesboro, secretary-treasurer.

Complete accommodations have been provided for passengers. A large waiting room, a cafeteria, a newsstand and comfort rooms are included. There is garage space for all buses of the consolidated lines. About 150 cars and 1250 passengers will be handled daily. These cars, ranging in type from the very modern parlor coaches, used in some lines, to standard touring cars and sedans, will form a network of transportation for a radius of 90 miles around Nashville and serve the 50 or more towns in the area, and reaching across the state line to the north the system places thousands of persons virtually, from a point of time involved, in the suburbs of Nashville.



BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS



PROPOSALS

Bids close June 24, 1926.

U. S. Engineer Office, Jacksonville, Fla. Sealed proposals for dredging, rock removal and constructing jetty foundations between the ocean and the harbor at Miami, Fla., will be received here until 12 o'clock noon June 24, 1926, and then opened. Information on application.

Bids close June 21, 1926.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., May 26, 1926. SEALED PROPOSALS will be opened in this office at 3 P. M. June 21, 1926, for extension to the United States Postoffice, Orlando, Fla. Drawings and specifications may be obtained from Custodian of the building or at this office, in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

Bids close June 17, 1926.

\$20,000 6% School Bonds

Bushnell, Fla.

Notice is hereby given that the Board of Public Instruction in and for Sumter County, Florida, will receive bids up to 12 o'clock noon on the 17th day of June, 1926, at the office of the Superintendent of Public Instruction in Bushnell, Florida, for Twenty Thousand (\$20,000) Dollars, bonds of Special Tax School District Number Nine of Sumter County, Florida. Said bonds being dated July 1, 1925, and in the denomination of One Thousand (\$1000) Dollars each, bearing interest at the rate of six per cent per annum, interest payable semi-annually, both interest and principal payable at Hanover National Bank of the City of New York, and said bonds being due and payable as follows: One of said bonds shall be due and payable July 1, 1928, and one of said bonds shall be due and payable on July 1 of each and every year thereafter up to and including July 1, 1947.

A deposit of 2 per cent of the bid will be required as evidence of good faith, and the Board reserves the right to reject any and all bids.

W. T. EDDINS,

Superintendent of Board of Public Instruction, Sumter County, Florida.

RATE: 35 cents per line per insertion.

PUBLICATION DAY: Thursday.

FORMS CLOSE: 4 P. M. Monday.

DAY LETTER: When too late to send copy by mail to reach us by 4 P. M. Monday, forward by day letter.

THE DAILY BULLETIN OF THE MANUFACTURERS RECORD:

Published every business day; gives information about the industrial, commercial and financial activities of the South and Southwest.

The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened, or when daily publications are necessary to meet legal requirements.

The same rate applies—35 cents per line per insertion.

Bids close June 16, 1926.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 17, 1926. SEALED PROPOSALS will be opened in this office at 3 P. M. June 16, 1926, for new water piping, etc., in the U. S. Postoffice and Courthouse, Shreveport, La. Drawings and specifications may be obtained from the Custodian, U. S. P. O. and Courthouse, Shreveport, La., or from this office, in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

Bids close June 29, 1926.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 28, 1926. SEALED PROPOSALS will be opened in this office at 3 P. M. June 29, 1926, for repairs to plumbing at the U. S. Marine Hospital, St. Louis, Mo. Drawings and specifications may be obtained from the Medical Officer in charge, U. S. Marine Hospital, St. Louis, Mo., or from this office, in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

Bids close June 25, 1926.

\$50,000 6% Time Warrants

Sarasota, Fla.

Sealed bids will be received by the Board of County Commissioners in care of the undersigned in Sarasota, Florida, until 11 o'clock A. M. June 25, 1926, for the following time warrants of Sarasota County:

\$50,000 time warrants dated May 14, 1926, maturing annually May 14: \$5000 1927, \$5000 1928, \$5000 1929, \$5000 1930, \$5000 1931, \$5000 1932, \$5000 1933, \$5000 1934, \$5000 1935 and \$5000 1936.

Said time warrants bearing interest at 6 per cent per annum, payable semi-annually, evidenced by coupons attached thereto; both principal and interest being payable at Bank of Sarasota, Sarasota, Florida. Said time warrants are general County obligations with unlimited ad valorem tax levy and ready for delivery at place of purchaser's choice as soon as bid is accepted.

The bonds will be awarded at the highest price at not less than ninety and interest.

These time warrants were authorized by Chapter 11180 of the Laws of Florida of 1925, no election being required.

The bids must be enclosed in a sealed envelope marked "Proposal for Time Warrants," and be accompanied by a bond running to the Board of County Commissioners and satisfactory to them, with sureties that bidder will comply with the terms of his bid, or else be accompanied by a certified check for 2 per cent of the face value of the time warrants, said bids being payable to the order of the Clerk of the Board of County Commissioners and drawn upon an incorporated bank or trust company. Any bidder whose bid shall be accepted shall (with his sureties if a bond be given) be liable to the County for all damages on account of non-performance of the terms of his bid. Bids by mail will be given equal consideration with bids presented personally. If no acceptable bid be submitted all bids will be rejected. The right to reject any and all bids is reserved.

O. E. ROESCH,

Clerk, Board of County Commissioners of Sarasota County, Florida.

Bids close June 24, 1926.

\$425,000 5½% Improvement Bonds

NOTICE IS HEREBY GIVEN that up to and until 7.30 o'clock P. M. on the

21ST DAY OF JUNE, A. D. 1926, sealed proposals will be received by the City Commission of the City of Winter Park, at the City Hall at Winter Park, Florida, for the purchase of Four Hundred and Twenty-five Thousand Dollars City of Winter Park Improvement Bonds, said bonds being voted general obligations of said city, authorized by Ordinances Nos. 151 to 156, inclusive, of the City of Winter Park, duly adopted on the 1st day of March, A. D. 1926, pursuant to Chapter 11325, Laws of Florida, 1925; said bonds to bear interest at the rate of five and one-half per centum (5½%) per annum and to be dated July 1, 1926; interest payable semi-annually on July 1 and January 1 of each year, both principal and interest being payable at the National Bank of Commerce, in the city of New York, State of New York, said bonds being of the denomination of One Thousand Dollars each and maturing thirty years after the date of issuance thereof.

The full faith and credit of the City of Winter Park is irrevocably pledged for the payment of the principal and interest of said bonds.

The above issues of bonds to be sold subject to the approving opinion of Messrs. Caldwell & Raymond, Attorneys, to be furnished by the City of Winter Park to the purchaser thereof.

All bids must be accompanied by a certified check for two per cent (2%) of the amount of the bonds to be sold.

Bids may be submitted in the alternative as to rate of interest bonds are to bear, the alternative bid to be based on a rate of interest less than 5½ per cent. Amounts bid for said bonds must be stated in dollars and cents.

The City Commission of the City of Winter Park reserves the right to reject any and all bids.

By order of the City Commission of the City of Winter Park.

Dated this 24th day of May, A. D. 1926.

E. F. BELLOWS,

City Clerk of the City of Winter Park.

[Seal.]

GEO. A. DECOTTES,
City Attorney.

Bids close June 15, 1926.

Bridge

DEPARTMENT OF PUBLIC WORKS STATE OF MARYLAND STATE ROADS COMMISSION NOTICE TO CONTRACTORS.

Baltimore, Md.

SEALED PROPOSALS for building a bridge, as follows:

Prince George's County, Cont. P-63. One single 86' 0" span reinforced concrete arch bridge with a 40' 0" clear roadway over the Patuxent River on the Baltimore-Washington Boulevard at Laurel, together with necessary fill, etc.

Will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 15th day of June, 1926, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

By order of the State Roads Commission this 4th day of June, 1926.

JOHN N. MACKALL, Chairman.

L. H. STEUART, Secretary.

Sale of \$13,000 5½% Bonds

\$13,000 5½% interest-bearing bonds on West Green School District, Coffee County, Georgia. Good railroad, public highway, church and school facilities. Center bright-leaf tobacco section of Georgia. Progressive community. Communicate at once with J. H. Green, Secy.-Treas. Board of Trustees, West Green, Ga.

Bids close July 7, 1926.

Bridges and Roads

OFFICE OF CARTER & DAMEROW, ENGINEERS.

Vero Beach, Fla., May 27, 1926.

Sealed proposals, subject to the securing of necessary Rights of Way, will be received at this office until the hour of 2 o'clock P. M. on the 7th day of July, 1926, for constructing bridges and grading roadway included in Sections 1 and 2 of the Florida Cross State Highway, between VERO BEACH AND THE KISSIMMEE RIVER, in Indian River and Osceola Counties.

The principal items of work are approximately as follows:

- | | |
|--|--|
| Section I | |
| 10.6 Acres of Clearing. | |
| 589,280.2 Cu. Yds. Earth Excavation. | |
| 1,170.0 Lin. Ft. of Creosoted Timber Bridges. | |
| 11,360.0 Lin. Ft. of Creosoted Timber Piling. | |
| Section II | |
| 187.2 Acres of Clearing. | |
| 147.5 Acres of Grubbing. | |
| 322,479.9 Cu. Yds. Earth Excavation. | |
| 315.0 Lin. Ft. Creosoted Timber Bridges. | |
| 4,200.0 Lin. Ft. Creosoted Timber Piling. | |
| 753.5 Lin. Ft. 15-in. Cast Iron Pipe Culverts. | |
| 523.5 Lin. Ft. 18-in. Cast Iron Pipe Culverts. | |
| 78.0 Lin. Ft. 24-in. Cast Iron Pipe Culverts. | |
| 24.8 Cu. Yds. Concrete in Headwalls. | |

All work to be done in accordance with plans, specifications, attached instructions, general provisions, special provisions, proposal and contract.

A certified check or a bidder's bond executed on the attached form in the sum of Fifteen Thousand (\$15,000) Dollars and made payable to the Atlantic-Gulf Special Road and Bridge District of the State of Florida must accompany each proposal.

Plans and specifications are on file and may be examined at this office.

The right is reserved to reject any or all bids.

BOARD OF BOND TRUSTEES,
Atlantic-Gulf Special Road and Bridge District of the State of Florida.

By D. C. COX, Chairman.

Attest:
B. T. REDSTONE, Secretary.

Bids close June 25, 1926.

Jefferson Street and Walnut Avenue Bridges at Roanoke, Va.

Sealed proposals for the construction of a Reinforced Concrete Arch Bridge consisting of two (2) eighty (80) foot and one (1) one hundred and eighty (180) foot spans over the Virginian Railway Tracks at Jefferson Street and a Reinforced Concrete Arch Bridge consisting of five (5) one hundred and six (106) foot spans over the Virginian Railway Tracks, the Norfolk & Western Railway Tracks and the Tracks of the Roanoke Railway & Electric Company on Walnut Avenue in the City of Roanoke, Virginia, will be received by W. P. Hunter, City Manager, at his office in the Municipal Building, Roanoke, Virginia, until 11 o'clock A. M. Friday, June 25, 1926, at which place all regular proposals accompanied by the required certified checks will be received and will be publicly opened and tabulated in the Council Room of the Municipal Building at 3 P. M.

The Plans, Specifications, Proposal and Bond will be on file at the office of W. P. Hunter, City Manager, in the Municipal Building at Roanoke on and after Monday, June 7, 1926, and copies of same may be

obtained by contractors on and after that date at the office of B. H. Davis, Consulting Engineer, Whitehall Building, New York City, upon payment to him of Fifty (\$50) Dollars for the printing of Plans and Specifications, which sum will be refunded to each Contractor returning all papers in fair condition to the Consulting Engineer on or before June 25, 1926.

A certified check in the sum of Thirty Thousand (\$30,000) Dollars, drawn to the order of the City of Roanoke, Virginia, must accompany each proposal, and each proposal accompanied by the required certified check must be delivered in separate enclosures to W. P. Hunter, City Manager, Municipal Building, Roanoke, Virginia.

A Surety Bond in the sum of Three Hundred Thousand (\$300,000) Dollars will be required of the successful bidder. The Certified Check of the successful bidder will be held until the contract is signed and a satisfactory Surety Bond for the faithful performance of the contract is filed and approved.

Estimates of the value of the work done by the contractor will be made on or about the first (1st) of each month. Payments amounting to eighty-five (85%) per cent of such monthly estimate will be paid on the twelfth (12th) of each month. Upon presentation of receipted bills by the Contractor for materials of construction delivered to the bridge site, payments amounting to eighty-five (85%) per cent of the value of such materials delivered will be paid on the twelfth (12th) of each month.

Owing to traffic conditions, one bridge will have to be completed before the other is started. Time of completion will be an important factor in the consideration of bids, and the contractor to whom the work is awarded will be held strictly to the terms of the contract regarding the diligent prosecution of the work and the time of completion of same. No proposal will be considered which fixes the completion of the bridges at a date later than May 1, 1928.

The right is reserved to reject any or all bids.

CITY OF ROANOKE,
W. P. HUNTER, City Manager.
B. H. DAVIS, Consulting Engineer.

Bids close June 15, 1926.

Highway Construction

DEPARTMENT OF PUBLIC WORKS STATE OF MARYLAND STATE ROADS COMMISSION NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building three sections of State Highway, as follows:

Washington County, Cont. W-44—One section of State Highway from Wagner's Cross roads toward Cavetown for a distance of 1.0 mile. (Concrete.)

Prince George's County, Cont. P-67—One section of State Highway along the Defense Highway from Collington to Priest Bridge for a distance of 2.28 miles. (Concrete.)

Charles County, Cont. Ch-40—One section of State Highway from Beantown toward Malcolm for a distance of 2.0 miles. (Gravel.)

Will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 15th day of June, 1926, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 3rd day of June, 1926.

JOHN N. MACKALL, Chairman.
L. H. STEUART, Secretary.

Bids close June 15, 1926.

Street Paving

Carrollton, Ga.

SEALED PROPOSALS will be received by the Mayor and Council of Carrollton, Georgia, until 11 o'clock A. M. June 15, 1926, for constructing street improvements.

The work includes the furnishing of all labor and materials, machinery and equipment of every kind necessary to construct approximately:

- 5,000 cubic yards earth excavation.
- 30,600 square yards concrete, brick or asphalt paving.
- 13,700 lineal feet new granite or concrete curbs.
- 8,100 lineal feet resetting present granite curbs.

All complete in place and in accordance with plans and specifications on file in the office of the City Clerk and the Engineers.

Each bid must be accompanied with a certified check or bid bond for five (5%) per cent of the amount of the bid, drawn to the order of the City of Carrollton, and all bids must be delivered to the City Clerk by the time set forth above, and plainly marked "Proposal for Street Improvements."

Copies of the Plans and Specifications may be examined at the office of the City Clerk or the office of the Engineers. Complete sets of plans and specifications will be furnished for \$15, of which one-third will be returned upon receipt of a bona fide bid.

The right is reserved to reject any or all bids, and the contract may be awarded as a whole or in part to one or more bidders, as considered to the best interests of the city.

CITY OF CARROLLTON, GEORGIA.
By L. J. BROCK, Mayor.
Engineers:

ROBERT & COMPANY, INC.,
Atlanta, Georgia.

Bids close June 16, 1926.

Street Improvements

DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS

Baltimore, June 2, 1926.

Separate Sealed Proposals, executed in duplicate, addressed to the Board of Awards, care of the City Register, will be received by him in his office until 11 A. M. Wednesday, June 16, 1926, to grade, curb and pave with Sheet Asphalt on concrete base and Cement Concrete the streets listed in Contracts Nos. 345 and 346.

Contract No. 345
Sheet Asphalt, 7400 square yards
Certified Check \$800

Contract No. 346
Cement Concrete, 9080 square yards
Certified Check \$600

Specifications and proposal sheets and all other information can be obtained at this office, Room 207½, City Hall. A charge of \$10 will be required for specifications covering each contract, which charge will not be refunded.

The Board of Awards reserves the right to reject any or all bids. A certified check of the bidder on a clearing-house bank, drawn to the order of the Mayor and City Council of Baltimore, to the amount as recited in the specifications, must accompany each bid.

Bond in the amount of the contract price will be required of the successful bidder.

STEUART PURCELL,
Highways Engineer.

Approved:
HOWARD W. JACKSON,
President Board of Awards.

Approved:
B. L. CROZIER,
Chief Engineer.

Approved:
JOSEPH PATTI, JR.,
Asst. City Solicitor.

Bids close June 29, 1926.

Street Paving

Sealed proposals on blank forms furnished by the Town, addressed to the Mayor and Council, Hastings, Florida, will be received until 8 P. M. on June 29, 1926, at Hastings, Florida, for furnishing all materials, equipment and labor for doing the following work:

Approximately 62,000 sq. yds. of street paving, together with all necessary drainage, curb and gutter and other work incidental thereto, as set out in the plans and specifications.

Each bid shall be accompanied by a certified check or satisfactory bidder's bond

in the sum of not less than Ten Thousand (\$10,000) Dollars, made payable to the Town Clerk.

Plans and specifications can be seen at the office of the Town Clerk in Hastings, Florida, or at the office of the Engineers in Leesburg, Florida; Eustis, Florida, or Elberton, Georgia.

Full sets of plans and specifications will be furnished by the Engineers upon payment of Fifteen (\$15) Dollars, half of which will be refunded upon the return of the plans and specifications in good condition within ten days after the date for receiving bids. Specifications may be obtained from the Engineers upon the payment of Two (\$2) Dollars.

The right is reserved to reject any or all bids.

TOWN OF HASTINGS, FLORIDA.

G. W. LEE, Mayor.

C. W. MALTBY, Town Clerk.

H. S. JAUDON ENGINEERING CO.,
Engineers,
Leesburg, Fla.; Eustis, Fla.;
Elberton, Ga.

Bids close June 25, 1926.

Water-Works Improvements

Williamson, W. Va.

Sealed proposals, properly endorsed, for Water Works Improvements will be received at the office of the City Clerk, City of Williamson, West Virginia, until 9 o'clock A. M. on the 25th day of June, 1926, and at that time and place publicly opened and read.

All proposals must be addressed to the City Clerk and delivered to the Clerk and endorsed "Proposal for Water Works Improvements." All bidders must submit their bids on the proposal blanks furnished by the Engineers.

The work is divided into two contracts as follows:

CONTRACT A—This contract is comprised mainly of the following:

- (1) Construction of a mechanical filtration plant of two (2) million gallons daily capacity, including clearwell, sedimentation basins, mixing basin, four (4) filter units, piping and appurtenances, together with brick superstructure 40 feet by 55 feet.
- (2) Construction of a reinforced concrete storage tank of 50,000 gallons capacity.
- (3) Construction of a reinforced concrete storage tank of 100,000 gallons capacity.
- (4) Repairs to existing Pump Pit.
- (5) Construction of Intake.

CONTRACT "B"—This contract comprises additions and extensions to the Distribution System approximately as follows:

Cast-iron Pipe furnished and laid:
6-inch—2,050 lin. ft.
8-inch—15,750 lin. ft.
10-inch—2,100 lin. ft.
12-inch—3,700 lin. ft.

Valves and Valve Boxes furnished and laid:
6-inch—8.
8-inch—30.
10-inch—3.
12-inch—3.

Hydrants furnished and set—40.

Each proposal must be accompanied by a bond with an approved surety company as surety in the sum of 10 per cent of the amount of the bid as surety for the execution of the contract. A certified check on a solvent bank, drawn and made payable to the City of Williamson, West Virginia, in the sum of 5 per cent of the amount of the bid will be accepted in lieu of said bond. Should any bid be rejected such bond or certified check shall forthwith be returned to the bidder, and should any bid be accepted such bond or certified check will be returned upon proper execution and securing of the contract. The successful bidder will be required to execute the contract within seven days after the award of the work to him, and shall furnish bond for the faithful performance of said contract with an approved surety company as surety in the sum of 50 per cent of the total amount of his bid, and in case of failure to do so will be considered to have abandoned the contract.

Plans, specifications and bidding blanks may be secured from the Engineers, Burgess & Niple, 223 East Broad street, Columbus Ohio, or from the City Clerk, City of Williamson, West Virginia, on deposit of Ten Dollars (\$10). In case a contractor received plans and does not offer a bid and returns the plans in good condition, then Five Dollars (\$5.00) of the Ten Dollars will be refunded to him, the other Five Dollars being retained to cover the cost of excessive printing charges. In case, however, any contractor received plans and

specifications and submits a bona fide bid, then the Ten Dollars (\$10) will be refunded to him on return of the plans in good condition within ten days after the opening of bids.

The contractor awarded the contract for this work will be paid from the funds derived from the sale of the \$335,000 "Water Works and Street Improvement Bonds," which bonds have been duly authorized and approved by the Attorney General of the State of West Virginia.

The City Commission reserves the right to reject any and all bids.

Dated this May 29, 1926.

LAKE P. WARD, Clerk.

Bids close June 14, 1926.

Water Supply Pipe Line

Sealed proposals will be received by the City Manager of Amarillo, Tex., at his office in the City Hall until 7.30 P. M. o'clock of the 14th day of June, 1926, for furnishing the labor, materials and building a water supply pipe line of 27 inches to 36 inches inside diameter and about 82,980 feet long, and surge tanks connected therewith, in accordance with the plans and specifications on file in the office of the City Engineer of Amarillo, Texas, or in the office of the Consulting Engineer, Wynkoop Kiersted, 614 Interstate Building, Kansas City, Missouri, and which are available upon the deposit of \$25 for each set of plans and specifications. Said deposit will be refunded upon the return of the plans and specifications within twenty days after the bids are received. Bids will be considered on all or any part of the project.

A certified check on a solvent bank of Amarillo, made payable to the City Manager of Amarillo, Texas, in the amount of Ten Thousand Dollars (\$10,000), must be deposited by each bidder with the City Manager and a receipt therefor must accompany the bid of each bidder.

The City Commission does not bind itself to accept the lowest or any bid offered and reserves the right to reject any or all bids and to waive any irregularity or informality in the bids.

JEFF D. BARTLETT,
City Manager.
Amarillo, Texas, May 28, 1926.

Bids close June 22, 1926.

Storm Sewers

Birmingham, Ala.

Sealed proposals will be received by the undersigned until 10 o'clock A. M. Tuesday, June 22, 1926, for the construction of certain storm sewers in the Woodlawn Section, said storm sewers ranging in size from fifteen to seventy-two inches in diameter, and the necessary manholes, catch basins and other appurtenances thereto. Estimated cost of said work being one hundred and fifty thousand (\$150,000) Dollars.

Specifications may be obtained and plans examined at this office. The right is reserved to reject any or all proposals.

A. J. HAWKINS, City Engineer.

Bids close June 16, 1926.

Furnishing and Delivering Valves and Hydrants

BUREAU OF WATER SUPPLY

Baltimore, Md.

Sealed bids, in duplicate, endorsed "Proposals for Furnishing and Delivering Valves and Hydrants to the Bureau of Water Supply," addressed to the Board of Awards of Baltimore City, will be received at the office of the City Register, City Hall, Baltimore, Md., until 11 A. M., Standard Time, June 16, 1926, at which time they will be publicly opened and read.

Specifications and proposal forms may be obtained at the office of the Water Engineer, Room 205, City Hall, Baltimore, Md., on and after June 5, 1926. A charge of \$10 will be made for each set of specifications and drawings, which will not be refunded.

All bids must be accompanied by a certified check of the bidder on a clearing-house bank for the sum of Five Hundred (\$500) Dollars, drawn to the order of the Mayor and City Council of Baltimore, and the successful bidder will be required to give satisfactory bond for the faithful performance of the agreement equal in amount to the value of the contract.

The Board of Awards reserves the right to reject any or all bids.

V. BERNARD SEIMS,
Water Engineer.
B. L. CROZIER,
Chief Engineer.

Bids close June 28, 1926.

School Building

Starkville, Miss.

The Board of Trustees of the Starkville Separate School District of Starkville, Mississippi, will meet on Monday, June 28, 1926, to receive bids for the erection of buildings for colored school in said School District, according to plans and specifications now on file with the City Clerk of Starkville, Mississippi.

Each bid must be accompanied by a certified check for \$250, and the board reserves the right to reject any or all bids.

This June 2, 1926.
J. A. McKEE,
Chairman Board Trustees.

Bids close June 24, 1926.

School Building

Jesup, Ga.

Sealed bids will be received by the Board of Trustees of the Jesup School District, Jesup, Ga., until 2 o'clock P. M. June 24, 1926, for the erection of a one-story Brick School Building, with twelve classrooms and auditorium.

Separate bids will be received for Plumbing and Heating.

Proposals for general work and plumbing and heating to be accompanied by a certified check or bond in the amount of 5 per cent of the amount bid.

All certified checks to be made payable to Mr. S. E. Cohen, Chairman, and are deposited as a guarantee that the contractors to whom the work is awarded will sign agreement and execute bond. Should the contractor fail to enter into contract and execute bond, check will be forfeited to the School Board as liquidated damages.

The right is reserved to reject any or all bids.

Plans and specifications may be obtained by contractors from the office of Greer & Biggers, Architects, 121 West Adams Street, Jacksonville, Fla., upon deposit of a certified check for \$25. Said checks to be refunded when plans and specifications are returned in good condition.

A satisfactory Surety Company's bond in the amount of \$25,000 will be required of the accepted bidder.

Bids close July 12, 1926.

Hospital Building

Sealed proposals on a fixed-sum basis will be received by the Board of Commissioners of the Halifax Hospital District, Daytona Beach, Fla., at the office of the Chamber of Commerce at 2 P. M. Monday, July 12, 1926, for the erection and completion of a Hospital Building of 125 beds capacity at Daytona Beach, Fla.

Plans and specifications may be seen and estimates prepared without cost at the following offices:

Chamber of Commerce, Daytona Beach, Florida.

Chamber of Commerce, Jacksonville, Florida.

Builders' Exchange, Atlanta, Georgia.

They may also be obtained upon application to the architects at Columbia, S. C., on the following terms:

First—To a specially invited list of ten general contractors, on deposit of Fifty Dollars (\$50) guaranteeing their return to the office of the architects in good condition and without expense on or before July 17, 1926, and that a proposal is made in good faith, upon which the deposit will be returned.

Second—To any other responsible and competent general contractors upon the payment of Thirty Dollars (\$30) without refund.

Third—Sub-contractors and material men, partial or complete sets on payment of Sixty (60) Cents per sheet for drawings and Ten (10) Cents per sheet for specifications, without refund.

Each bid must be accompanied by a certified check, payable to the Board of Commissioners, Halifax Hospital District, in the sum of Ten Thousand (\$10,000) Dollars as a guarantee that if the bid is accepted the contractor will enter into a contract and give bond in the standard form of the American Institute of Architects (Third Edition) in a sum not less than one-third of the contract price covering the contract and its guarantees for a period of twenty-seven (27) months.

The owners reserve the right to reject any or all bids.

F. J. NIVER, Chairman,
Daytona Beach, Fla.
WILSON, BERRYMAN & KENNEDY,
Architects,
Columbia, South Carolina.

Bids close July 12, 1926.

Office Building No. 2

WEST VIRGINIA STATE CAPITOL

FOR THE

STATE OF WEST VIRGINIA

CHARLESTON, KANAWHA COUNTY, W. VA.

Sealed proposals will be received by the Capitol Building Commission at the Governor's office in Charleston, W. Va., until 2 P. M. Monday, July 12, 1926, for doing all work and furnishing all material necessary to complete the above-named building, according to the plans and specifications of Cass Gilbert, Architect.

The building is to be fireproof construction. Size 300x60 feet, with wing 43x73 feet, four stories, pent house, full basement. Exterior, Indiana Limestone.

Plans and specifications and blank forms for bids will be mailed by Cass Gilbert, Architect, 244 Madison avenue, New York city, upon receipt of certified check for \$200, which amount will be refunded upon return of the plans and specifications. An additional check for \$20 must be sent for any duplicate sets desired. Plans are for estimating purposes only and are the property of the Architect, and must be returned immediately after bids are submitted. Two copies of drawings and specifications are on file in the office of the Capitol Building Commission for use of bidders.

A certified check for \$20,000 must accompany proposal for GENERAL CONSTRUCTION, and certified checks for \$2000 must accompany proposals for HEATING AND VENTILATING, PLUMBING AND GAS FITTING AND ELECTRICAL WORK. Said checks will be made payable to the Capitol Building Commission of the State of West Virginia, Charleston, W. Va.

In lieu of said certified checks, bonds of equal amount of the United States or the State of West Virginia may accompany proposals. The checks or bonds of all bidders will be returned to them after award of contract.

No proposals received after the time stated above will be considered. The right is reserved to reject any and all bids and to waive defect or informality in any bid.

THE CAPITOL BUILDING COMMISSION,

HOWARD M. GORE, Governor,

CHARLESTON, WEST VIRGINIA.

Bids close June 22, 1926.

Church

Sealed proposals will be received by St. Philip's Parish, Brevard, N. C., for the erection of a stone church with a seating capacity of 250. Bids will be received until 2 P. M. on June 22, 1926, by Rev. Harry Perry, Rector of the Parish, and then opened at the Rectory.

Plans and specifications may be obtained from the Architect, Louis H. Asbury, 1514 E. Fourth street, Charlotte, N. C., or the Rector, Rev. Harry Perry, Brevard, N. C. A deposit of \$5 will be required for each set of plans and specifications, but this amount will be refunded upon their return. Separate bids are called for on the stone work, the interior work and the church as a whole.

Each bid must be accompanied by a certified check for \$500, made payable to the Rector, Rev. Harry Perry. The check of the successful bidder will be retained until the completion of the contract and the checks of the unsuccessful bidders will be returned at once.

The right is reserved to reject any or all bids, and the contract may be awarded as a whole or in part to any one or more bidders, as may be considered to the best interests of the Parish.

REV. HARRY PERRY, Rector.

Brevard, N. C.

LOUIS H. ASBURY, Architect,
Charlotte, N. C.

Bids close June 21, 1926.

Jetty Construction

West Palm Beach, Florida.

Sealed proposals for furnishing and placing 65,000 tons of stone for extending the Lake Worth Inlet Jetties will be received at No. 208 Fern Street, West Palm Beach, until 12 o'clock noon on June 21, 1926. Information on application.

H. G. GEER,

G. N. HATCH,

C. H. ELLIS,

Board of Commissioners, Lake Worth Inlet District.

Bids close June 16, 1926.

Deep Well Centrifugal Pump and Motor

Lake Maitland, Fla.

The Town of Lake Maitland, Florida, will receive bids up to 8 P. M. June 16, 1926, for the purchase of one (1) Deep Well Centrifugal Pump and Motor, 500 gallons per minute, 200 feet head, pump located 65 feet below ground surface.

TOWN OF LAKE MAITLAND, FLORIDA.

By E. A. UPMEYER, Mayor.

E. T. OWEN, Clerk.

J. B. McCRARY ENGINEERING CORP.,
Engineers,
Atlanta, Georgia.



CLASSIFIED OPPORTUNITIES



MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

FOR SALE—Timber Land, Mill Properties, Cut-Over Timber Lands, Water Frontage for subdivision located Gulf Coast. H. H. WEFEL, JR., Mobile, Alabama.

FOR SALE OR LEASE—Granite bed with unlimited tonnage, suitable for all purposes.

T. H. RAWL, Lexington, S. C.

FELDSPAR AND MICA LAND—Ground floor proposition; for sale in fee simple, Feldspar and mica property near Holly Springs, Ga.; now ready to operate. Ample water supplies; power line crosses property. If interested, call or address Chas. E. Makepeace, Ball Ground, Ga.

I HAVE 19,000 acres mineral rights in fee simple; 6886 acres of land in the heart of the valley; fine land for anything, on the edge of the Park area. Survey shows iron ore in sight (1,235,000 tons); runs from 42 to 50% iron. Manganese, runs from 32 to 50%. Clays, yellow, black, gray, orange pigment, white, red and yellow ochre. All of these ores are within 5 miles of the N. & W. R. R., and the biggest thing in the country. On part of the property is a fine location for a hotel. The construction of a small dam would make possible a fine bathing place in summer and skating place in winter. Will be glad to hear from anyone interested in any of these minerals. Fine place for new homes; fine country. R. F. WATSON, Sole Owner, R. I. Box 43 (A), Elkton, Va.

SOAPSTONE DEPOSIT

SOAPSTONE—Bargain; one mile from railway; hard texture of good quality; thirty tons of cut material will pay for property. C. C. JARRARD, Cleveland, Ga.

BRICK CLAY DEPOSIT

BRICK CLAY DEPOSIT FOR SALE—465 acres, 27 miles of Jacksonville; railway on edge of property. Almost an inexhaustible supply of clay. Land fine, high and dry and partly improved with farm, fruit trees, etc., and a livable dwelling. Price for a quick deal, only \$50 per acre. Terms arranged. A. B. SAMS, 201 Masonic Temple, Jacksonville, Fla.

TIMBER AND TIMBER LAND

LONG-LEAF PINE FOR SALE

Eighty million feet long-leaf yellow pine and twenty million feet cypress on fee land; best and only sawmill and turpentine location of this size now offered for sale in Georgia.

POST OFFICE BOX 228,
Savannah, Georgia.

1,500,000,000 FEET OF TIMBER for sale. Pines, gums, cypress and hardwoods. Properties lie in North Carolina, South Carolina and Florida. In tracts of 1700 acres up to 100,000 acres, and running 5,000,000 to 500,000,000 feet. In fee simple at \$3.25 per thousand to \$50 an acre, and on good terms. ROBERT S. GOLDSMITH, Power & Light Bldg., St. Petersburg, Fla.

FARM, FRUIT AND TRUCK LANDS

ALABAMA

WONDERFUL OPPORTUNITIES, with unlimited possibilities, for investment on the Gulf Coast at Mobile. The land that steals your heart away. We have factory sites, textile mill, central business property, farms, orange and pecan groves, timber tracts, cutover land, waterfront property, homes and desirable building lots at very attractive prices and easy terms. Write us for information and literature. GULF COAST INVESTMENT COMPANY, INC., REALTORS, 32-34 N. Royal St., Battle House Bldg., Mobile, Ala.

FARM, FRUIT AND TRUCK LANDS

FLORIDA

WE ARE REALTORS.
Service and Reliability Our Slogan.
How can we help you in Florida?
GOODWIN & BAKER,
Fort Pierce, Florida.

SIX HUNDRED ACRES fine potato land; will yield thirty to fifty barrels per acre; potatoes sold this year \$16 to \$20 per barrel F. O. B. Fort Pierce. Price per acre upon application.

J. G. COATS, Fort Pierce, Florida.

TWENTY ACRES AND PLENTY.

Free book tells truth about Florida land; monthly payments \$1 an acre. Orange groves, planted, cared for, 10 per cent above cost.

SYLVESTER E. WILSON,
Dept. X, Orlando, Fla.

CARR & CARR, INC.,

Realtors,
WEST PALM BEACH, PALM BEACH,
LAKE WORTH.
References—Any bank or trust company
in Palm Beach County.

FLORIDA NEEDS FARMS.

Now is the opportune time to sell small Florida farm. We have a fine tract at \$9.50 an acre. Other tracts for sale. Fine pine timber for sale.

J. F. STEBBINS,
"The Acreage Man,"
Licensed Real Estate Broker,
P. O. Box 2945,
Tampa, Florida.

FLORIDA—Lake Front, 5 acres, all cultivated; runs back into fine, large lake; fronts on main paved Highway; has store building on the Highway. Fine location for neighborhood store, filling station, poultry ranch or orange grove; only \$1850; terms. Call or send today for booklet and list of Groves and Farms. Tampa-West Coast Realty Co., Inc., Opp. Postoffice, "Since Before the War," Tampa, Florida.

FLORIDA INVESTMENTS MANATEE COUNTY.

The county that stands 7th in production of fruit and vegetables in the U. S. A solid foundation back of your investments—Farm Lands—Business Properties—Lots or Acreage for Subdivisions.

Full information on request—we can buy for you and we can resell for profit.

References: Bradenton Bank & Trust Co.
MANATEE LAND SALES CO.,
Bradenton, Fla.
St. Petersburg Office—560 First Ave. North.

FLORIDA GAME PRESERVE.

I have for sale one of the finest game preserves in the U. S., about one hundred acres lying on bank of very large lake (eleven miles long by two or three miles wide), also river; the lake and river have thousands of Large Mouth Black Bass and many other kinds of fish; in Winter season thousands of wild ducks on the lake and river; quail and squirrels in abundance in hammock and nearby woods; many turkeys and few deer in nearby woods. Ten-room house, which could be converted into club-house, overlooks lake; orange grove with finest varieties is on property. New county highway to property; four miles to railway station. If you want a sure-enough game preserve, this is IT. Price \$65,000; terms.

J. F. STEBBINS,
Licensed Real Estate Broker,
P. O. Box 2945,
Tampa, Florida.

FARM, FRUIT AND TRUCK LANDS

GEORGIA

FOR SALE—85 acres high land and 75 acres salt marsh, located in Georgia, 4½ miles from Florida state line, near Jacksonville. Has 1000-foot frontage on salt-water river; beautifully located; very healthy; artesian water available; finest fishing; best oysters, crabs and shrimp. Will send photos if interested. Price \$10,000 cash. Address GEO. H. COOK, Brunswick, Ga.

NORTH CAROLINA

900 ACRES in Carolina's famous Peach Belt. Ideal Peach land; \$25 per acre.
Z. V. PATE, Owner,
Laurinburg, N. C.

3000 ACRES, part good farming land, adapted to growth of staple farm crops, balance very suitable for stock farm; \$20 per acre. Z. V. PATE, Owner, Laurinburg, N. C.

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CHARLOTTE REAL ESTATE
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TEXAS

E. B. WITMER, Realtor,
First National Bank Building,
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City Property, Farms, Citrus Groves.
Large acreage irrigated and unirrigated.

BUSINESS OPPORTUNITIES

BUSINESS EXECUTIVE wanted to manage office of fast growing construction company doing business all over the Southeast; party must invest some capital in business. Address P. O. Box 660, Pensacola, Fla.

GOLD—Nine patented gold-mining claims for sale, or money wanted to reopen. Large producers in the 80s. Working now under lease. For particulars write

FRANK G. CLINE, Agent,
Box 176, Lordsburg, N. M.

HERE IS AN OPPORTUNITY; comes once in a life-time. Well-established Planing Mill, Lumber and Coal Business, in active operation. Can be bought less than the value. No competition in the town. Located in Delta, York County, Pa.
Address J. Howard Stubbs, Delta, Pa.

FOR SALE—Two-story building and clean, up-to-date stock of general merchandise in one of East Tennessee's most prosperous growing towns, doing a good cash business; no accounts. Best location in town. Stock will invoice \$25,000 to \$30,000. Good reason for selling. If interested, write

MORELAND'S DEPARTMENT STORE,
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ROANOKE:

Value of building permits for years mentioned is ONE reason Roanoke is the THIRD City in

VIRGINIA.

Year 1900.....	\$208,159
Year 1910.....	832,428
April, 1924.....	305,702
May, 1924.....	349,185
April, 1925.....	372,880
May, 1925.....	462,194
April, 1926.....	660,002
May, 1926.....	732,706

I sell Business and Investment property in Roanoke.

OSCAR A. WALL,
With Ellis L. Wright, Realtor, Box 497,
Roanoke, Va.

INDUSTRIAL PLANTS

FOUNDRY AND MANUFACTURING PLANT—20,000 sq. ft. floor space, motor machinery and foundry equipment, daylight, brick, steel and wood construction, good condition, located on river. Address Box 251, Alexandria, Va.

WILL LEASE—A hard rock quarry and stone plant, in good condition, centrally located on James River Division of C. & O. R. R. at Strathmore, Virginia, 70 miles west of Richmond. Capacity 250 to 300 tons commercial crushed stone daily; good railroad outlet. D. J. O'Callaghan, Garland, McDowell County, West Virginia.

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FOR SALE—Three-story, Mill-Constructed Building, 145x200, located in Atlanta, on Southern Railway, with platform track space for nine cars, equipped with elevator and sprinkler system.

MANGET BROS. CO., Newnan, Ga.

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20,000 sq. ft. space, suitable for loft, office and light manufacturing. Central location, railroad and steamboat facilities. Low rent. Address A. W. SMITH, 1204 Wynne-Claughton Building, Atlanta, Ga.

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HOTEL OR APARTMENT SITE FOR SALE—Three-fourths block, 211 feet front by 156 feet deep, on principal street of Florence, overlooking park; \$150 per foot. Also good house and 50-foot lot, two blocks from post office, on coming business street, \$10,000. P. B. HILL, Owner, Box 512, Florence, Ala.

FACTORY SITES

INDUSTRIAL SITE FOR SALE

MIDWAY
FORT WORTH POPULATION, 185,000
DALLAS POPULATION, 225,000

Three acres on Texas & Pacific R. R., Dallas-Fort Worth Interurban and Dallas-Fort Worth Boulevard. Property is served by spur of T. & P. R. R. Water, gas and electric facilities readily available, also plenty of best labor. Low tax rate. Suitable for small cotton plant or novelty factory. Will sell for cash and will consider taking interest in plant. Reference, Fort Worth Chamber of Commerce.

A. R. ELDRIDGE, Owner,
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SITUATIONS WANTED

BUILDING CONSTRUCTION—Superintendent with long experience, both large and small work. Willing to start in any position with reliable concern, either field or office. C. W. H., 112 S. Moody, Tampa, Fla.

CIVIL ENGINEER, 38, married, member Am. Soc. C. E., 18 years' working experience Southern states, municipal and public utilities, proven executive, highest references, desires connection. Address No. 6594, care Manufacturers Record.

MEN WANTED

SPLENDID BUSINESS OPPORTUNITY in South for salesmen to represent large manufacturing concern, selling metal buildings, stokers, grates, soot blowers, water heaters. Fine territory open in industrial centers. Give reference. Write Marion Machine, Foundry & Supply Company, P. O. Box 685, Marion, Indiana.

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GRADUATE ENGINEER, experienced in structural steel and reinforced concrete building design. Steady work, with exceptionally good future. Massillon Steel Joist Company, Canton, Ohio.

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WE HAVE an opening for an efficient, experienced sprinkler lay-out engineer. We would prefer a man who has also had experience in the selling field; this is not essential, but desired. Reply by letter, stating age, legal status, experience and salary expected.

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SALES ENGINEERS calling on heating and power plants, consulting engineers, heating and plumbing contractors and jobbers wanted on commission basis to sell a line of Pressure Reducing and Regulating Valves, Strainers, Steam Traps, Boiler Feeders, etc. State past experience, lines you are handling and territory regularly covered. Mueller Steam Specialty Co., Inc., 502 W. 126th St., New York.

IF YOU ARE OPEN to overtures for new connection, and qualified for a salary between \$2500 and \$25,000, your response to this announcement is invited. The undersigned provides a thoroughly organized service, of recognized standing and reputation, through which preliminaries are negotiated confidentially for positions of the caliber indicated. The procedure is individualized to each client's personal requirements; your identity covered and present position protected. Established sixteen years. Send only name and address for details.

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FOR SALE—Steel structure part for three buildings, 20x60, or, if desired, can make one building, 20x220. Price \$425 each, or \$1200 for the three; price f. o. b. cars Lakeland, Fla. Blueprint furnished. This price would not cover more than the labor to manufacture them now. Will be suitable for lumber sheds, garages or storage houses. RIDDLE FURNITURE MFG. CO., Box 1533, Lakeland, Fla.

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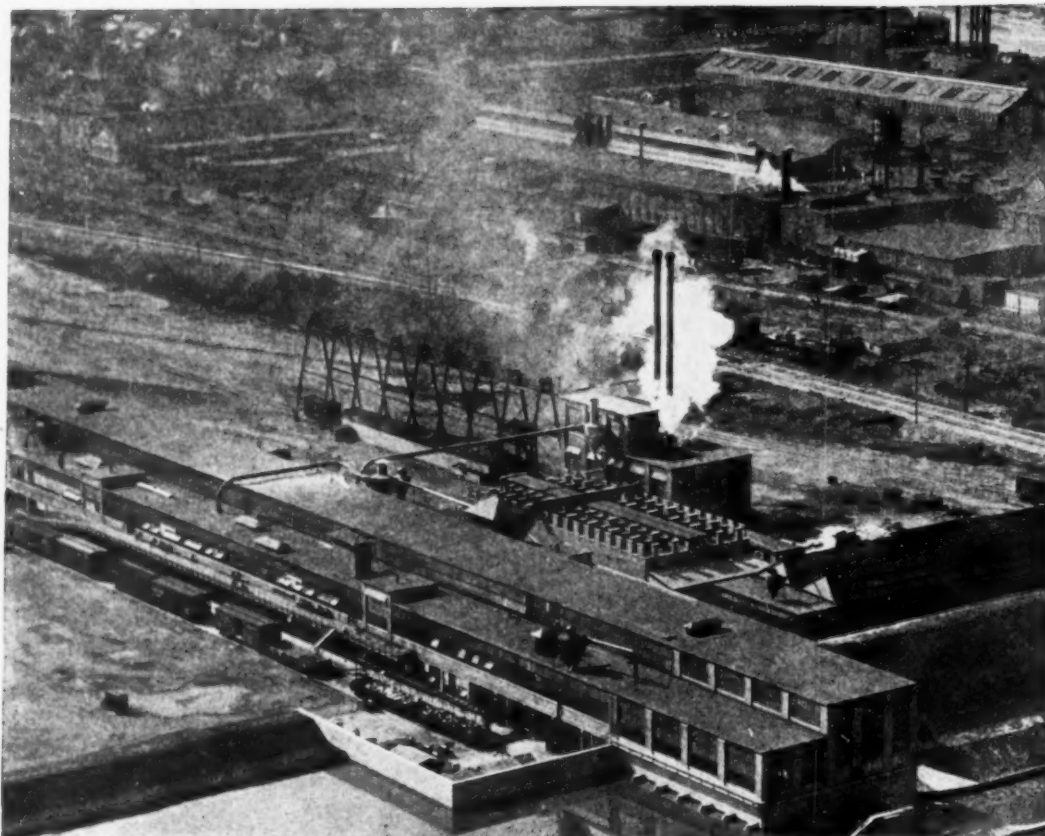
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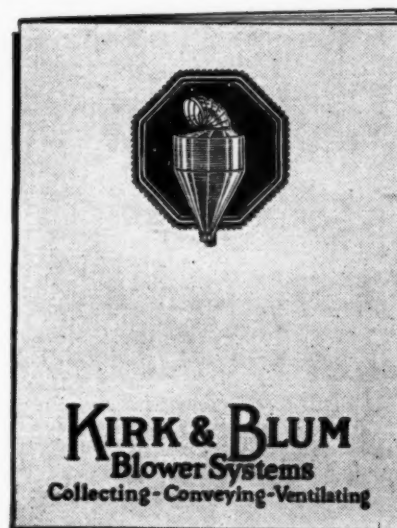
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